

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042321\
 Data File : VX021839.D
 Acq On : 23 Apr 2021 14:06
 Operator : JC/MD
 Sample : VX0423WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2021 4:53:48 PM

Quant Time: Apr 26 04:02:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	179962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	292073	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	267838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	135686	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	99294	48.64	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.28%		
35) Dibromofluoromethane	5.458	113	91953	49.23	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.46%		
50) Toluene-d8	8.696	98	340789	47.45	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.90%		
62) 4-Bromofluorobenzene	11.116	95	128536	47.93	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.86%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	30939	17.87	ug/l	98
3) Chloromethane	1.313	50	33868	15.09	ug/l	98
4) Vinyl Chloride	1.392	62	34794	16.82	ug/l	98
5) Bromomethane	1.630	94	14310	15.83	ug/l	98
6) Chloroethane	1.715	64	21734	16.67	ug/l	99
7) Trichlorofluoromethane	1.916	101	51758	18.68	ug/l	98
8) Diethyl Ether	2.166	74	21530	18.85	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.368	101	31259	18.82	ug/l	97
10) Methyl Iodide	2.489	142	18638	20.23	ug/l	98
11) Tert butyl alcohol	3.008	59	42246	94.50	ug/l	97
12) 1,1-Dichloroethene	2.355	96	30729	18.49	ug/l	92
13) Acrolein	2.270	56	31488	87.07	ug/l	97
14) Allyl chloride	2.709	41	48732	18.25	ug/l	98
15) Acrylonitrile	3.111	53	87715	96.95	ug/l	99
16) Acetone	2.416	43	69270	98.69	ug/l	97
17) Carbon Disulfide	2.550	76	81963	17.30	ug/l	98
18) Methyl Acetate	2.745	43	37869	19.88	ug/l	100
19) Methyl tert-butyl Ether	3.166	73	108977	19.03	ug/l	98
20) Methylene Chloride	2.831	84	36573	17.38	ug/l	93
21) trans-1,2-Dichloroethene	3.142	96	34692	18.18	ug/l	95
22) Diisopropyl ether	3.818	45	99208	18.52	ug/l	94
23) Vinyl Acetate	3.782	43	437831	94.42	ug/l	100
24) 1,1-Dichloroethane	3.666	63	57826	18.19	ug/l	99
25) 2-Butanone	4.629	43	116083	97.67	ug/l	99
26) 2,2-Dichloropropane	4.550	77	51787	16.84	ug/l	96
27) cis-1,2-Dichloroethene	4.562	96	41196	19.00	ug/l	92
28) Bromochloromethane	4.977	49	26094	19.78	ug/l	87
29) Tetrahydrofuran	5.087	42	75946	98.21	ug/l	98
30) Chloroform	5.172	83	63160	18.34	ug/l	100
31) Cyclohexane	5.544	56	51357	17.89	ug/l	96
32) 1,1,1-Trichloroethane	5.458	97	56962	18.62	ug/l	96
36) 1,1-Dichloropropene	5.763	75	46268	17.95	ug/l	97
37) Ethyl Acetate	4.788	43	45290	18.69	ug/l	98
38) Carbon Tetrachloride	5.751	117	50364	17.84	ug/l	96
39) Methylcyclohexane	7.434	83	59015	17.67	ug/l	95
40) Benzene	6.111	78	139192	18.10	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.995	41	24916	18.27	ug/l	98
42) 1,2-Dichloroethane	6.160	62	46558	18.65	ug/l	98
43) Isopropyl Acetate	6.403	43	77019	18.15	ug/l	99
44) Trichloroethene	7.184	130	41200	18.36	ug/l	96
45) 1,2-Dichloropropane	7.489	63	36308	17.99	ug/l	93
46) Dibromomethane	7.635	93	26554	18.77	ug/l	98
47) Bromodichloromethane	7.873	83	51918	18.00	ug/l	99
48) Methyl methacrylate	7.745	41	39034	18.89	ug/l	97
49) 1,4-Dioxane	7.708	88	19425	399.79	ug/l	96
51) 4-Methyl-2-Pentanone	8.616	43	231755	95.37	ug/l	98
52) Toluene	8.763	92	92010	18.44	ug/l	99
53) t-1,3-Dichloropropene	9.019	75	56903	17.56	ug/l	100
54) cis-1,3-Dichloropropene	8.409	75	62107	18.14	ug/l	94
55) 1,1,2-Trichloroethane	9.196	97	38706	18.89	ug/l	99
56) Ethyl methacrylate	9.153	69	57419	18.51	ug/l	98
57) 1,3-Dichloropropane	9.348	76	61424	18.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.287	63	144742	95.47	ug/l	97
59) 2-Hexanone	9.470	43	174845	95.99	ug/l	98
60) Dibromochloromethane	9.561	129	44909	18.06	ug/l	99
61) 1,2-Dibromoethane	9.653	107	41923	18.83	ug/l	100
64) Tetrachloroethene	9.317	164	35911	17.15	ug/l	98
65) Chlorobenzene	10.116	112	101857	18.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.201	131	40045	18.72	ug/l	99
67) Ethyl Benzene	10.232	91	174214	18.20	ug/l	96
68) m/p-Xylenes	10.342	106	134146	36.22	ug/l	99
69) o-Xylene	10.677	106	65251	18.27	ug/l	97
70) Styrene	10.695	104	112381	18.56	ug/l	98
71) Bromoform	10.836	173	34300	17.70	ug/l #	99
73) Isopropylbenzene	11.000	105	174213	18.30	ug/l	99
74) N-amyl acetate	10.878	43	66104	18.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.250	83	57315	19.80	ug/l	99
76) 1,2,3-Trichloropropane	11.274	75	46426m	17.25	ug/l	
77) Bromobenzene	11.238	156	45754	18.21	ug/l	89
78) n-propylbenzene	11.342	91	194824	18.50	ug/l	97
79) 2-Chlorotoluene	11.402	91	116125	18.74	ug/l	95
80) 1,3,5-Trimethylbenzene	11.488	105	147998	18.36	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.055	75	19508	16.67	ug/l	92
82) 4-Chlorotoluene	11.494	91	136673	19.03	ug/l	97
83) tert-Butylbenzene	11.750	119	150714	18.72	ug/l	98
84) 1,2,4-Trimethylbenzene	11.787	105	150870	18.53	ug/l	100
85) sec-Butylbenzene	11.927	105	172035	18.64	ug/l	99
86) p-Isopropyltoluene	12.049	119	159142	18.16	ug/l	99
87) 1,3-Dichlorobenzene	12.006	146	81723	18.83	ug/l	99
88) 1,4-Dichlorobenzene	12.079	146	82190	18.73	ug/l	99
89) n-Butylbenzene	12.372	91	136189	18.41	ug/l	97
90) Hexachloroethane	12.579	117	28469	17.81	ug/l	100
91) 1,2-Dichlorobenzene	12.372	146	79041	18.86	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.981	75	12013	18.55	ug/l	91
93) 1,2,4-Trichlorobenzene	13.628	180	55741	18.45	ug/l	99
94) Hexachlorobutadiene	13.762	225	23214	15.62	ug/l	98
95) Naphthalene	13.817	128	181691	19.86	ug/l	99
96) 1,2,3-Trichlorobenzene	14.000	180	53729	18.52	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VX021839.D\data.ms

Time-->

Chloroacetaldehyde, T
Vinyl chloride
Chloromethane, T
Trichlorofluoromethane, T
Dichlorodifluoromethane, T
Acrolein, T
Diethyl Ether, T
Methyl iodide
Methyl sulfide, T
Methyl acetate
Methyl chloride
Methyl bromide
Tert butyl alcohol, T
Methoxybenzene, T
1,1-Dichloroethane, P
Disopropyl ether, T
Vinyl Acetate, T
2-Butanol, T
Ethyl Acetate, T
Benzonitrile, T
Benzonitrile, T
Chloroform, T
Cyclohexane, T
Dibromodichloromethane, S
Pentadecane, T
Carbon tetrachloride, T
1,2-Dichloroethane, d4, S
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichlorocyclohexane, T
1,4-Dioxane
Dibromomethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanol, T
Toluene, CM
1,3-Dichloropropene, T
1,3-Dichloropropene, T
1,3-Dichloropropene, T
1,2-Dibromopropane, T
1,1,1,2-Tetrachloroethane, T
1,1,1,2-Tetrachloroethane, T
Ethyl Benzene, C
Styrene, T
N-ethyl acetate, T
trans-1,4-Dichlorocyclohexane, T
1,2,3-Trichlorobenzene, T
2-Chlorotoluene, T
4-Chlorotoluene, T
1,3,5-Trimethylbenzene, T
1,2,4-Trimethylbenzene, T
1,3-Dichlorobenzene, T
1,3-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T