

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021751.D
 Acq On : 20 Apr 2021 12:10
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/21/2021 4:35:38 PM

Quant Time: Apr 20 13:11:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:07:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	186900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	298159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	270244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	136708	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	37988	12.97	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	25.94%#		
35) Dibromofluoromethane	5.465	113	33499	16.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	32.30%#		
50) Toluene-d8	8.696	98	128591	17.21	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	34.42%#		
62) 4-Bromofluorobenzene	11.116	95	46086	15.93	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	31.86%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.191	85	32390	16.08	ug/l	98
3) Chloromethane	1.319	50	42354	16.08	ug/l	100
4) Vinyl Chloride	1.398	62	39505	18.67	ug/l	99
5) Bromomethane	1.630	94	20066	23.05	ug/l	99
6) Chloroethane	1.715	64	24215	18.19	ug/l	99
7) Trichlorofluoromethane	1.916	101	53208	16.02	ug/l	96
8) Diethyl Ether	2.172	74	22048	18.49	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.368	101	31053	16.40	ug/l	98
10) Methyl Iodide	2.489	142	17438	13.27	ug/l	99
11) Tert butyl alcohol	3.014	59	42077	83.07	ug/l	98
12) 1,1-Dichloroethene	2.355	96	32150	17.15	ug/l	96
13) Acrolein	2.276	56	32722	106.29	ug/l	98
14) Allyl chloride	2.709	41	51733	14.14	ug/l	97
15) Acrylonitrile	3.117	53	87487	74.30	ug/l	99
16) Acetone	2.422	43	68671	61.99	ug/l	98
17) Carbon Disulfide	2.557	76	89745	17.01	ug/l	99
18) Methyl Acetate	2.752	43	35943	11.43	ug/l	99
19) Methyl tert-butyl Ether	3.172	73	108539	15.84	ug/l	98
20) Methylene Chloride	2.837	84	36408	16.08	ug/l	97
21) trans-1,2-Dichloroethene	3.142	96	35640	17.36	ug/l	94
22) Diisopropyl ether	3.825	45	101402	14.29	ug/l	96
23) Vinyl Acetate	3.788	43	445854	73.94	ug/l	99
24) 1,1-Dichloroethane	3.672	63	60657	15.58	ug/l	99
25) 2-Butanone	4.635	43	116276	68.50	ug/l	99
26) 2,2-Dichloropropane	4.550	77	57714	17.01	ug/l	99
27) cis-1,2-Dichloroethene	4.562	96	41135	17.28	ug/l	95
28) Bromochloromethane	4.983	49	23510	12.33	ug/l	87
29) Tetrahydrofuran	5.093	42	73811	67.08	ug/l	99
30) Chloroform	5.178	83	64565	15.77	ug/l	93
31) Cyclohexane	5.544	56	53334	16.14	ug/l	98
32) 1,1,1-Trichloroethane	5.465	97	56930	15.67	ug/l	97
36) 1,1-Dichloropropene	5.769	75	47391	16.48	ug/l	97
37) Ethyl Acetate	4.794	43	46310	14.26	ug/l	98
38) Carbon Tetrachloride	5.751	117	52710	17.12	ug/l	97
39) Methylcyclohexane	7.440	83	61611	19.03	ug/l	96
40) Benzene	6.111	78	144638	17.65	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.001	41	25440	13.66	ug/l	98
42) 1,2-Dichloroethane	6.160	62	47734	13.96	ug/l	98
43) Isopropyl Acetate	6.409	43	80260	15.26	ug/l	100
44) Trichloroethene	7.190	130	41792	18.87	ug/l	94
45) 1,2-Dichloropropane	7.489	63	37762	17.14	ug/l	99
46) Dibromomethane	7.635	93	26396	16.48	ug/l	95
47) Bromodichloromethane	7.873	83	53140	16.35	ug/l	100
48) Methyl methacrylate	7.745	41	39105	14.10	ug/l	97
49) 1,4-Dioxane	7.714	88	18897	362.29	ug/l	98
51) 4-Methyl-2-Pentanone	8.616	43	232509	72.55	ug/l	99
52) Toluene	8.763	92	94282	18.50	ug/l	98
53) t-1,3-Dichloropropene	9.019	75	60852	18.22	ug/l	99
54) cis-1,3-Dichloropropene	8.415	75	65065	18.32	ug/l	95
55) 1,1,2-Trichloroethane	9.196	97	38457	17.96	ug/l	96
56) Ethyl methacrylate	9.159	69	57659	17.93	ug/l	99
57) 1,3-Dichloropropane	9.348	76	61560	16.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.287	63	150092	84.17	ug/l	97
59) 2-Hexanone	9.470	43	175552	72.83	ug/l	97
60) Dibromochloromethane	9.561	129	46033	18.94	ug/l	100
61) 1,2-Dibromoethane	9.653	107	41878	18.21	ug/l	99
64) Tetrachloroethene	9.318	164	39013	21.11	ug/l	98
65) Chlorobenzene	10.122	112	102396	18.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.201	131	40316	19.33	ug/l	98
67) Ethyl Benzene	10.232	91	177787	18.13	ug/l	98
68) m/p-Xylenes	10.342	106	137225	38.72	ug/l	95
69) o-Xylene	10.677	106	67451	19.67	ug/l	92
70) Styrene	10.695	104	111510	18.92	ug/l	98
71) Bromoform	10.842	173	36895	21.27	ug/l #	100
73) Isopropylbenzene	11.000	105	179620	18.90	ug/l	100
74) N-amyl acetate	10.878	43	69596	15.58	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.250	83	55759	16.78	ug/l	100
76) 1,2,3-Trichloropropane	11.274	75	47133m	15.14	ug/l	
77) Bromobenzene	11.238	156	46400	19.39	ug/l	88
78) n-propylbenzene	11.342	91	197369	17.71	ug/l	97
79) 2-Chlorotoluene	11.403	91	114705	17.02	ug/l	95
80) 1,3,5-Trimethylbenzene	11.488	105	148625	18.34	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.055	75	21770	20.52	ug/l	87
82) 4-Chlorotoluene	11.494	91	134844	16.90	ug/l	97
83) tert-Butylbenzene	11.750	119	149121	18.74	ug/l	97
84) 1,2,4-Trimethylbenzene	11.787	105	150112	18.35	ug/l	99
85) sec-Butylbenzene	11.927	105	170799	18.72	ug/l	100
86) p-Isopropyltoluene	12.043	119	162677	19.49	ug/l	98
87) 1,3-Dichlorobenzene	12.006	146	80364	18.63	ug/l	100
88) 1,4-Dichlorobenzene	12.079	146	81854	18.36	ug/l	99
89) n-Butylbenzene	12.366	91	135797	17.90	ug/l	98
90) Hexachloroethane	12.579	117	29520	19.29	ug/l	91
91) 1,2-Dichlorobenzene	12.372	146	79073	18.87	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.981	75	12433	16.46	ug/l	92
93) 1,2,4-Trichlorobenzene	13.628	180	55710	20.01	ug/l	99
94) Hexachlorobutadiene	13.762	225	27023	21.11	ug/l	99
95) Naphthalene	13.817	128	174610	19.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.000	180	54323	19.62	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

