

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021750.D
 Acq On : 20 Apr 2021 11:46
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/21/2021 4:35:37 PM

Quant Time: Apr 20 13:11:16 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	5.623	168	193901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	309119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	281892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	142415	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	11970	3.94	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	7.88%#
35) Dibromofluoromethane	5.458	113	10829	5.03	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.06%#
50) Toluene-d8	8.696	98	41028	5.30	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.60%#
62) 4-Bromofluorobenzene	11.122	95	15422	5.14	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.28%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	9778	4.68	ug/l	95
3) Chloromethane	1.313	50	13883	5.08	ug/l	98
4) Vinyl Chloride	1.392	62	11558	5.27	ug/l	93
5) Bromomethane	1.624	94	5461	6.05	ug/l	96
6) Chloroethane	1.709	64	7920	5.73	ug/l	100
7) Trichlorofluoromethane	1.910	101	16459	4.78	ug/l	97
8) Diethyl Ether	2.166	74	6791	5.49	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.361	101	9834	5.01	ug/l	96
10) Methyl Iodide	2.489	142	4045	2.97	ug/l	96
11) Tert butyl alcohol	3.014	59	13627	25.93	ug/l	99
12) 1,1-Dichloroethene	2.355	96	9562	4.92	ug/l	96
13) Acrolein	2.270	56	11431	35.79	ug/l	91
14) Allyl chloride	2.703	41	15597	4.11	ug/l	97
15) Acrylonitrile	3.117	53	26127	21.39	ug/l	98
16) Acetone	2.422	43	19755	17.19	ug/l	99
17) Carbon Disulfide	2.550	76	27342	4.99	ug/l	98
18) Methyl Acetate	2.752	43	10492	3.22	ug/l	100
19) Methyl tert-butyl Ether	3.166	73	32993	4.64	ug/l	97
20) Methylene Chloride	2.837	84	12212	5.20	ug/l	96
21) trans-1,2-Dichloroethene	3.142	96	10955	5.14	ug/l	89
22) Diisopropyl ether	3.825	45	31267	4.25	ug/l	98
23) Vinyl Acetate	3.782	43	135222	21.62	ug/l	98
24) 1,1-Dichloroethane	3.666	63	18669	4.62	ug/l	100
25) 2-Butanone	4.635	43	33073	18.78	ug/l	100
26) 2,2-Dichloropropane	4.550	77	18474	5.25	ug/l	94
27) cis-1,2-Dichloroethene	4.562	96	12959	5.25	ug/l	92
28) Bromochloromethane	4.983	49	8551	4.32	ug/l	93
29) Tetrahydrofuran	5.093	42	21659	18.97	ug/l	99
30) Chloroform	5.178	83	19708	4.64	ug/l	93
31) Cyclohexane	5.544	56	17007	4.96	ug/l	99
32) 1,1,1-Trichloroethane	5.458	97	18147	4.81	ug/l	96
36) 1,1-Dichloropropene	5.769	75	15056	5.05	ug/l	95
37) Ethyl Acetate	4.788	43	13841	4.11	ug/l	96
38) Carbon Tetrachloride	5.751	117	16171	5.07	ug/l	98
39) Methylcyclohexane	7.440	83	19843	5.91	ug/l	96
40) Benzene	6.111	78	44429	5.23	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.995	41	7645	3.96	ug/l	97
42) 1,2-Dichloroethane	6.153	62	14240	4.02	ug/l	91
43) Isopropyl Acetate	6.409	43	23979	4.40	ug/l	99
44) Trichloroethene	7.184	130	12909	5.62	ug/l	91
45) 1,2-Dichloropropane	7.482	63	11349	4.97	ug/l	95
46) Dibromomethane	7.635	93	8028	4.84	ug/l	94
47) Bromodichloromethane	7.873	83	16409	4.87	ug/l	93
48) Methyl methacrylate	7.745	41	11789	4.10	ug/l	97
49) 1,4-Dioxane	7.714	88	5543	102.50	ug/l	96
51) 4-Methyl-2-Pentanone	8.616	43	68047	20.48	ug/l	98
52) Toluene	8.763	92	28433	5.38	ug/l	98
53) t-1,3-Dichloropropene	9.019	75	18546	5.36	ug/l	95
54) cis-1,3-Dichloropropene	8.409	75	19870	5.40	ug/l	96
55) 1,1,2-Trichloroethane	9.196	97	11869	5.35	ug/l	95
56) Ethyl methacrylate	9.153	69	18015	5.40	ug/l	97
57) 1,3-Dichloropropane	9.348	76	18980	5.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.287	63	34612	18.72	ug/l	98
59) 2-Hexanone	9.470	43	51619	20.66	ug/l	98
60) Dibromochloromethane	9.561	129	13831	5.49	ug/l	99
61) 1,2-Dibromoethane	9.653	107	12576	5.28	ug/l	99
64) Tetrachloroethene	9.318	164	12677	6.58	ug/l	93
65) Chlorobenzene	10.122	112	31955	5.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.201	131	12414	5.71	ug/l	98
67) Ethyl Benzene	10.232	91	55006	5.38	ug/l	100
68) m/p-Xylenes	10.342	106	42842	11.59	ug/l	95
69) o-Xylene	10.677	106	20499	5.73	ug/l	93
70) Styrene	10.695	104	34645	5.63	ug/l	98
71) Bromoform	10.836	173	11090	6.13	ug/l #	97
73) Isopropylbenzene	11.000	105	55624	5.62	ug/l	100
74) N-amyl acetate	10.878	43	20931	4.50	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.250	83	16904	4.88	ug/l	99
76) 1,2,3-Trichloropropane	11.281	75	16165m	4.98	ug/l	
77) Bromobenzene	11.238	156	14308	5.74	ug/l	90
78) n-propylbenzene	11.342	91	60772	5.23	ug/l	97
79) 2-Chlorotoluene	11.402	91	36186	5.15	ug/l	97
80) 1,3,5-Trimethylbenzene	11.488	105	47067	5.57	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.055	75	6439	5.83	ug/l #	71
82) 4-Chlorotoluene	11.494	91	41321	4.97	ug/l	97
83) tert-Butylbenzene	11.750	119	46919	5.66	ug/l	97
84) 1,2,4-Trimethylbenzene	11.787	105	47344	5.56	ug/l	99
85) sec-Butylbenzene	11.927	105	53934	5.67	ug/l	99
86) p-Isopropyltoluene	12.049	119	51123	5.88	ug/l	99
87) 1,3-Dichlorobenzene	12.006	146	24858	5.53	ug/l	99
88) 1,4-Dichlorobenzene	12.079	146	25599	5.51	ug/l	97
89) n-Butylbenzene	12.372	91	41953	5.31	ug/l	98
90) Hexachloroethane	12.579	117	9069	5.69	ug/l	92
91) 1,2-Dichlorobenzene	12.372	146	23862	5.47	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.981	75	3584	4.55	ug/l	95
93) 1,2,4-Trichlorobenzene	13.628	180	16227	5.60	ug/l	100
94) Hexachlorobutadiene	13.762	225	8374	6.28	ug/l	96
95) Naphthalene	13.817	128	49894	5.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.000	180	15498	5.37	ug/l	99

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

