

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034532.D
 Acq On : 16 Mar 2023 09:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 06:19:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	303169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	509233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	461644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	244707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	231549	52.500	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.000%			
35) Dibromofluoromethane	5.379	113	173714	51.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.340%			
50) Toluene-d8	8.647	98	687998	54.815	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.620%			
62) 4-Bromofluorobenzene	11.079	95	265855	52.439	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	144902	51.269	ug/l	98
3) Chloromethane	1.301	50	193388	45.040	ug/l	98
4) Vinyl Chloride	1.374	62	187031	48.600	ug/l	98
5) Bromomethane	1.599	94	101708	52.381	ug/l	96
6) Chloroethane	1.679	64	117779	53.155	ug/l	99
7) Trichlorofluoromethane	1.886	101	307188	53.123	ug/l	100
8) Diethyl Ether	2.130	74	114755	54.363	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	174715	51.845	ug/l	99
10) Methyl Iodide	2.447	142	230695	52.141	ug/l	96
11) Tert butyl alcohol	2.953	59	202627	220.618	ug/l	99
12) 1,1-Dichloroethene	2.319	96	162477	48.955	ug/l	94
13) Acrolein	2.233	56	238218	327.860	ug/l	99
14) Allyl chloride	2.660	41	321692	47.810	ug/l	96
15) Acrylonitrile	3.056	53	476683	240.260	ug/l	99
16) Acetone	2.374	43	549401	264.445	ug/l	100
17) Carbon Disulfide	2.508	76	406810	43.556	ug/l	100
18) Methyl Acetate	2.697	43	322334	47.483	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	603091	50.752	ug/l	99
20) Methylene Chloride	2.788	84	188325	46.706	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	176215	49.995	ug/l	97
22) Diisopropyl ether	3.751	45	655027	51.059	ug/l	99
23) Vinyl Acetate	3.715	43	2521146	258.221	ug/l	99
24) 1,1-Dichloroethane	3.605	63	348507	50.536	ug/l	99
25) 2-Butanone	4.544	43	738302	248.360	ug/l	99
26) 2,2-Dichloropropane	4.471	77	308924	51.535	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	211997	49.964	ug/l	98
28) Bromochloromethane	4.885	49	165115	51.494	ug/l	99
29) Tetrahydrofuran	4.989	42	435156	237.228	ug/l	99
30) Chloroform	5.087	83	360578	53.341	ug/l	99
31) Cyclohexane	5.465	56	308544	49.882	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	317173	53.001	ug/l	99
36) 1,1-Dichloropropene	5.684	75	268330	51.961	ug/l	99
37) Ethyl Acetate	4.702	43	273518	48.482	ug/l	100
38) Carbon Tetrachloride	5.672	117	274313	53.396	ug/l	100
39) Methylcyclohexane	7.373	83	338475	54.769	ug/l	95
40) Benzene	6.032	78	758111	50.183	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	157943	51.084	ug/l	98
42) 1,2-Dichloroethane	6.080	62	306483	55.201	ug/l	98
43) Isopropyl Acetate	6.330	43	482264	50.460	ug/l	100
44) Trichloroethene	7.123	130	196884	50.159	ug/l	98
45) 1,2-Dichloropropane	7.428	63	213328	54.082	ug/l	100
46) Dibromomethane	7.574	93	148539	55.390	ug/l	98
47) Bromodichloromethane	7.818	83	304536	58.676	ug/l	100
48) Methyl methacrylate	7.690	41	254227	55.308	ug/l	97
49) 1,4-Dioxane	7.653	88	96070	995.075	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	1489213	268.602	ug/l	100
52) Toluene	8.714	92	518725	55.462	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	345054	59.013	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	356540	56.361	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	208001	56.037	ug/l	98
56) Ethyl methacrylate	9.116	69	342152	56.142	ug/l	98
57) 1,3-Dichloropropane	9.305	76	356616	54.058	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	766530	244.056	ug/l	98
59) 2-Hexanone	9.427	43	1104433	257.694	ug/l	100
60) Dibromochloromethane	9.519	129	211162	54.242	ug/l	99
61) 1,2-Dibromoethane	9.610	107	206487	51.552	ug/l	100
64) Tetrachloroethene	9.269	164	170289	54.914	ug/l	94
65) Chlorobenzene	10.080	112	517624	51.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	196845	53.360	ug/l	99
67) Ethyl Benzene	10.189	91	955030	52.668	ug/l	97
68) m/p-Xylenes	10.299	106	730175	104.825	ug/l	100
69) o-Xylene	10.640	106	358920	51.346	ug/l	99
70) Styrene	10.653	104	602915	53.459	ug/l	99
71) Bromoform	10.799	173	146937	51.744	ug/l #	99
73) Isopropylbenzene	10.964	105	953850	50.434	ug/l	100
74) N-amyl acetate	10.842	43	450026	49.679	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.214	83	308734	48.919	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	261809m	46.595	ug/l	
77) Bromobenzene	11.195	156	223762	49.313	ug/l	98
78) n-propylbenzene	11.305	91	1141659	52.268	ug/l	100
79) 2-Chlorotoluene	11.360	91	686620	50.899	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	823193	51.892	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	98113	47.239	ug/l	96
82) 4-Chlorotoluene	11.451	91	811012	52.195	ug/l	100
83) tert-Butylbenzene	11.713	119	814658	50.934	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	833754	51.427	ug/l	99
85) sec-Butylbenzene	11.890	105	1028529	52.600	ug/l	100
86) p-Isopropyltoluene	12.006	119	872267	53.078	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	444650	50.012	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	450276	50.087	ug/l	99
89) n-Butylbenzene	12.329	91	794012	54.349	ug/l	99
90) Hexachloroethane	12.536	117	156495	51.464	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	435374	50.672	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	69084	48.180	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	275455	51.266	ug/l	99
94) Hexachlorobutadiene	13.725	225	118993	54.972	ug/l	97
95) Naphthalene	13.774	128	886297	49.191	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	269081	51.232	ug/l	98

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

