

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033307.D
 Acq On : 08 Dec 2022 01:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2022
 Supervised By : Mahesh Dadoda 12/08/2022

Quant Time: Dec 08 01:47:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	151897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248624	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48866	50.146	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.300%			
35) Dibromofluoromethane	5.385	113	54431	48.675	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	8.653	98	113175	48.379	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.079	95	87595	48.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48573	45.777	ug/l	97
3) Chloromethane	1.295	50	56640	46.167	ug/l	99
4) Vinyl Chloride	1.374	62	65291	46.609	ug/l	96
5) Bromomethane	1.618	94	41057	39.938	ug/l	96
6) Chloroethane	1.691	64	51219	48.205	ug/l	99
7) Trichlorofluoromethane	1.886	101	119783	45.546	ug/l	100
8) Diethyl Ether	2.136	74	45761	48.175	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	61046	43.758	ug/l	99
10) Methyl Iodide	2.453	142	66764	43.696	ug/l	99
11) Tert butyl alcohol	3.008	59	73220	245.764	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	65471	47.544	ug/l	97
13) Acrolein	2.239	56	82031	253.873	ug/l	99
14) Allyl chloride	2.666	41	104322	47.438	ug/l	96
15) Acrylonitrile	3.069	53	182871	247.791	ug/l	98
16) Acetone	2.392	43	154140	213.762	ug/l	99
17) Carbon Disulfide	2.514	76	155260	43.929	ug/l	99
18) Methyl Acetate	2.709	43	104349	49.989	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	245731	51.516	ug/l	99
20) Methylene Chloride	2.788	84	76555	47.605	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	72497	48.127	ug/l	97
22) Diisopropyl ether	3.757	45	242092	51.382	ug/l #	86
23) Vinyl Acetate	3.721	43	938463	256.619	ug/l	99
24) 1,1-Dichloroethane	3.611	63	133930	48.378	ug/l	100
25) 2-Butanone	4.562	43	251568	243.048	ug/l	100
26) 2,2-Dichloropropane	4.477	77	82578	40.562	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	88759	49.303	ug/l	96
28) Bromochloromethane	4.904	49	63713	54.979	ug/l	94
29) Tetrahydrofuran	5.013	42	166525	248.317	ug/l	97
30) Chloroform	5.099	83	153274	49.872	ug/l	100
31) Cyclohexane	5.471	56	98735	42.634	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	128827	48.719	ug/l	99
36) 1,1-Dichloropropene	5.696	75	97658	44.793	ug/l	98
37) Ethyl Acetate	4.721	43	102695	49.829	ug/l	99
38) Carbon Tetrachloride	5.684	117	108041	44.229	ug/l	99
39) Methylcyclohexane	7.385	83	101275	41.500	ug/l	97
40) Benzene	6.044	78	306157	48.161	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	58428	51.448	ug/l	96
42) 1,2-Dichloroethane	6.086	62	124056	49.145	ug/l	99
43) Isopropyl Acetate	6.342	43	167676	50.565	ug/l	98
44) Trichloroethene	7.129	130	82321	46.969	ug/l	99
45) 1,2-Dichloropropane	7.428	63	78422	48.238	ug/l	100
46) Dibromomethane	7.586	93	60279	48.673	ug/l	99
47) Bromodichloromethane	7.824	83	116527	48.269	ug/l	100
48) Methyl methacrylate	7.696	41	86314	50.434	ug/l	95
49) 1,4-Dioxane	7.708	88	37750	967.301	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	532046	253.714	ug/l	97
52) Toluene	8.720	92	194030	47.209	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	112855	43.841	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	123621	48.122	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	86083	49.825	ug/l	99
56) Ethyl methacrylate	9.116	69	125420	51.560	ug/l	92
57) 1,3-Dichloropropane	9.311	76	139011	50.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	289560	260.155	ug/l	99
59) 2-Hexanone	9.433	43	388464	251.372	ug/l	95
60) Dibromochloromethane	9.525	129	92092	48.379	ug/l	99
61) 1,2-Dibromoethane	9.610	107	91396	49.733	ug/l	98
64) Tetrachloroethene	9.275	164	67119	44.535	ug/l	97
65) Chlorobenzene	10.079	112	211217	47.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	82311	48.800	ug/l	99
67) Ethyl Benzene	10.195	91	362645	46.639	ug/l	99
68) m/p-Xylenes	10.299	106	282361	93.335	ug/l	98
69) o-Xylene	10.640	106	142267	47.576	ug/l	97
70) Styrene	10.659	104	237256	48.445	ug/l	98
71) Bromoform	10.799	173	64532	48.336	ug/l #	97
73) Isopropylbenzene	10.964	105	355686	46.883	ug/l	100
74) N-amyl acetate	10.842	43	140484	54.274	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	123875	51.468	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	110618m	51.944	ug/l	
77) Bromobenzene	11.201	156	92914	48.500	ug/l	99
78) n-propylbenzene	11.305	91	394458	46.565	ug/l	99
79) 2-Chlorotoluene	11.366	91	244877	46.775	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	300508	47.585	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31484	45.989	ug/l	96
82) 4-Chlorotoluene	11.457	91	281368	46.220	ug/l	99
83) tert-Butylbenzene	11.713	119	298279	47.365	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	298520	47.355	ug/l	100
85) sec-Butylbenzene	11.890	105	341636	46.497	ug/l	100
86) p-Isopropyltoluene	12.012	119	291656	46.042	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	163471	47.105	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	164702	46.464	ug/l	98
89) n-Butylbenzene	12.335	91	233744	45.052	ug/l	98
90) Hexachloroethane	12.542	117	46377	43.071	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	164282	47.349	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25343	48.748	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	99298	47.388	ug/l	98
94) Hexachlorobutadiene	13.725	225	35013	41.727	ug/l	99
95) Naphthalene	13.774	128	368090	52.663	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	102144	48.131	ug/l	100

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

