

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
 Data File : VX032252.D
 Acq On : 20 Oct 2022 10:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2022
 Supervised By : Mahesh Dadoda 10/21/2022

Quant Time: Oct 21 01:20:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	205279	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97660	57.005	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.000%			
35) Dibromofluoromethane	5.379	113	76320	53.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.860%			
50) Toluene-d8	8.647	98	272885	53.069	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.140%			
62) 4-Bromofluorobenzene	11.079	95	110059	58.451	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66882	55.512	ug/l	98
3) Chloromethane	1.294	50	59966	51.454	ug/l	97
4) Vinyl Chloride	1.374	62	66727	51.423	ug/l	97
5) Bromomethane	1.611	94	59373	43.701	ug/l	96
6) Chloroethane	1.685	64	53181	46.327	ug/l	97
7) Trichlorofluoromethane	1.886	101	131193	56.873	ug/l	99
8) Diethyl Ether	2.130	74	44427	56.674	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	70043	56.007	ug/l	98
10) Methyl Iodide	2.453	142	85924	47.544	ug/l	97
11) Tert butyl alcohol	2.983	59	57524	237.242	ug/l	98
12) 1,1-Dichloroethene	2.319	96	63120	53.698	ug/l	91
13) Acrolein	2.233	56	54172	259.753	ug/l	98
14) Allyl chloride	2.666	41	106430	57.649	ug/l	98
15) Acrylonitrile	3.062	53	163817	254.957	ug/l	99
16) Acetone	2.386	43	148160	266.492	ug/l	95
17) Carbon Disulfide	2.514	76	141801	51.529	ug/l	99
18) Methyl Acetate	2.703	43	100505	53.248	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	234014	57.774	ug/l	97
20) Methylene Chloride	2.788	84	71006	49.740	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	68137	53.221	ug/l	94
22) Diisopropyl ether	3.757	45	231858	57.351	ug/l	92
23) Vinyl Acetate	3.721	43	925641	286.468	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129479	55.431	ug/l	98
25) 2-Butanone	4.556	43	223516	257.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	110344	65.566	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	82920	55.317	ug/l	94
28) Bromochloromethane	4.897	49	49972	51.854	ug/l	98
29) Tetrahydrofuran	5.001	42	141719	252.788	ug/l	100
30) Chloroform	5.093	83	144274	56.747	ug/l	99
31) Cyclohexane	5.471	56	108817	55.561	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	129779	59.859	ug/l	100
36) 1,1-Dichloropropene	5.690	75	100946	54.936	ug/l	99
37) Ethyl Acetate	4.708	43	92444	51.383	ug/l	100
38) Carbon Tetrachloride	5.678	117	113266	58.391	ug/l	100
39) Methylcyclohexane	7.379	83	123020	56.043	ug/l	98
40) Benzene	6.037	78	285632	53.633	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	53593	56.491	ug/l	99
42) 1,2-Dichloroethane	6.086	62	121789	59.702	ug/l	98
43) Isopropyl Acetate	6.336	43	159297	56.413	ug/l	99
44) Trichloroethene	7.123	130	80063	54.592	ug/l	98
45) 1,2-Dichloropropane	7.427	63	75285	56.037	ug/l	100
46) Dibromomethane	7.580	93	57032	56.916	ug/l	97
47) Bromodichloromethane	7.818	83	110765	59.839	ug/l	99
48) Methyl methacrylate	7.690	41	81605	57.947	ug/l	99
49) 1,4-Dioxane	7.690	88	27116	959.431	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	476533	269.216	ug/l	100
52) Toluene	8.720	92	190124	55.109	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	117519	56.110	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	124733	60.475	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	79259	56.554	ug/l	98
56) Ethyl methacrylate	9.116	69	119252	59.081	ug/l	99
57) 1,3-Dichloropropane	9.305	76	128723	56.704	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	253370	273.863	ug/l	99
59) 2-Hexanone	9.427	43	351979	266.496	ug/l	100
60) Dibromochloromethane	9.519	129	85806	59.738	ug/l	99
61) 1,2-Dibromoethane	9.610	107	84741	57.038	ug/l	99
64) Tetrachloroethene	9.275	164	66304	53.112	ug/l	98
65) Chlorobenzene	10.079	112	208635	53.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	80045	57.714	ug/l	100
67) Ethyl Benzene	10.195	91	386340	56.298	ug/l	99
68) m/p-Xylenes	10.299	106	299518	110.520	ug/l	97
69) o-Xylene	10.640	106	146492	56.425	ug/l	98
70) Styrene	10.653	104	246774	56.365	ug/l	99
71) Bromoform	10.799	173	60851	51.642	ug/l #	99
73) Isopropylbenzene	10.963	105	396572	53.738	ug/l	100
74) N-amyl acetate	10.842	43	151099	55.422	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	121019	51.009	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	96215m	46.951	ug/l	
77) Bromobenzene	11.201	156	94016	51.975	ug/l	95
78) n-propylbenzene	11.305	91	465190	55.051	ug/l	100
79) 2-Chlorotoluene	11.366	91	275442	54.085	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	346315	54.330	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34825	53.209	ug/l	98
82) 4-Chlorotoluene	11.457	91	329385	55.552	ug/l	99
83) tert-Butylbenzene	11.713	119	346836	54.383	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	347815	56.124	ug/l	99
85) sec-Butylbenzene	11.890	105	426370	55.319	ug/l	99
86) p-Isopropyltoluene	12.012	119	367718	56.070	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	184792	53.077	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	190477	53.260	ug/l	99
89) n-Butylbenzene	12.335	91	328118	56.804	ug/l	99
90) Hexachloroethane	12.542	117	56977	55.989	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	184859	54.086	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25315	53.007	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	118763	53.376	ug/l	98
94) Hexachlorobutadiene	13.725	225	50613	52.411	ug/l	99
95) Naphthalene	13.774	128	378603	53.127	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	117855	52.662	ug/l	99

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

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