

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032226.D
 Acq On : 19 Oct 2022 22:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 04:33:55 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	142053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98279	53.182	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.360%			
35) Dibromofluoromethane	5.385	113	79053	50.390	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.780%			
50) Toluene-d8	8.647	98	283728	50.242	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	114123	55.187	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67504	51.942	ug/l	98
3) Chloromethane	1.294	50	64213	51.065	ug/l	96
4) Vinyl Chloride	1.374	62	70919	50.668	ug/l	99
5) Bromomethane	1.617	94	65776	44.883	ug/l	100
6) Chloroethane	1.684	64	60082	48.770	ug/l	96
7) Trichlorofluoromethane	1.886	101	139834	56.198	ug/l	97
8) Diethyl Ether	2.130	74	46423	54.901	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	70005	51.894	ug/l	98
10) Methyl Iodide	2.453	142	95183	48.826	ug/l	97
11) Tert butyl alcohol	2.989	59	63328	242.655	ug/l	99
12) 1,1-Dichloroethene	2.318	96	65048	51.303	ug/l	89
13) Acrolein	2.233	56	65783	292.423	ug/l	100
14) Allyl chloride	2.666	41	105703	53.080	ug/l	97
15) Acrylonitrile	3.062	53	174177	251.311	ug/l	100
16) Acetone	2.386	43	152148	253.706	ug/l	100
17) Carbon Disulfide	2.514	76	149860	50.486	ug/l	99
18) Methyl Acetate	2.703	43	104045	51.103	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	236592	54.151	ug/l	97
20) Methylene Chloride	2.788	84	73788	47.919	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	71269	51.608	ug/l	98
22) Diisopropyl ether	3.757	45	231701	53.132	ug/l	99
23) Vinyl Acetate	3.721	43	934645	268.159	ug/l	99
24) 1,1-Dichloroethane	3.611	63	130231	51.687	ug/l	99
25) 2-Butanone	4.562	43	238298	254.510	ug/l	100
26) 2,2-Dichloropropane	4.477	77	98349	54.177	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	85410	52.822	ug/l	98
28) Bromochloromethane	4.903	49	49539	47.656	ug/l	98
29) Tetrahydrofuran	5.007	42	151664	250.797	ug/l	98
30) Chloroform	5.098	83	147192	53.672	ug/l	95
31) Cyclohexane	5.470	56	112186	53.103	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	131993	56.440	ug/l	99
36) 1,1-Dichloropropene	5.696	75	103602	51.337	ug/l	100
37) Ethyl Acetate	4.714	43	99192	50.201	ug/l	99
38) Carbon Tetrachloride	5.678	117	114534	53.762	ug/l	99
39) Methylcyclohexane	7.385	83	124885	51.803	ug/l	98
40) Benzene	6.037	78	294775	50.398	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	56474	54.202	ug/l	98
42) 1,2-Dichloroethane	6.092	62	123155	54.971	ug/l	98
43) Isopropyl Acetate	6.342	43	164703	53.109	ug/l	100
44) Trichloroethene	7.129	130	81920	50.861	ug/l	100
45) 1,2-Dichloropropane	7.433	63	77118	52.266	ug/l	99
46) Dibromomethane	7.580	93	57610	52.349	ug/l	98
47) Bromodichloromethane	7.824	83	109857	54.039	ug/l	99
48) Methyl methacrylate	7.689	41	84934	54.915	ug/l	97
49) 1,4-Dioxane	7.689	88	31150	1003.557	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	511279	263.003	ug/l	100
52) Toluene	8.720	92	194762	51.403	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	113393	49.517	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	122678	54.157	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	80720	52.443	ug/l	98
56) Ethyl methacrylate	9.116	69	121826	54.957	ug/l	99
57) 1,3-Dichloropropane	9.311	76	129680	52.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	259564	255.458	ug/l	100
59) 2-Hexanone	9.433	43	382563	263.738	ug/l	100
60) Dibromochloromethane	9.525	129	86197	54.642	ug/l	100
61) 1,2-Dibromoethane	9.610	107	87085	53.371	ug/l	98
64) Tetrachloroethene	9.275	164	68202	50.224	ug/l	98
65) Chlorobenzene	10.079	112	211830	50.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	81433	53.977	ug/l	99
67) Ethyl Benzene	10.195	91	392483	52.577	ug/l	100
68) m/p-Xylenes	10.305	106	307896	104.443	ug/l	99
69) o-Xylene	10.640	106	149337	52.879	ug/l	97
70) Styrene	10.658	104	253633	53.257	ug/l	99
71) Bromoform	10.799	173	61173	47.888	ug/l #	99
73) Isopropylbenzene	10.963	105	405231	50.860	ug/l	100
74) N-amyl acetate	10.841	43	158160	53.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	125227	48.888	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	111790m	50.527	ug/l	
77) Bromobenzene	11.201	156	98069	50.215	ug/l	98
78) n-propylbenzene	11.305	91	475040	52.069	ug/l	99
79) 2-Chlorotoluene	11.366	91	285712	51.962	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	353926	51.427	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	33216	47.330	ug/l	99
82) 4-Chlorotoluene	11.457	91	333132	52.039	ug/l	99
83) tert-Butylbenzene	11.713	119	354638	51.503	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	351341	52.510	ug/l	99
85) sec-Butylbenzene	11.890	105	428983	51.551	ug/l	100
86) p-Isopropyltoluene	12.012	119	372696	52.636	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	189276	50.353	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	190901	49.440	ug/l	99
89) n-Butylbenzene	12.335	91	323226	51.828	ug/l	99
90) Hexachloroethane	12.542	117	56595	51.510	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	189616	51.385	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26933	52.222	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	117744	49.013	ug/l	98
94) Hexachlorobutadiene	13.725	225	49018	47.014	ug/l	100
95) Naphthalene	13.774	128	398042	51.734	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	118517	49.050	ug/l	100

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

