

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
 Data File : VX032278.D
 Acq On : 20 Oct 2022 21:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 21 02:18:47 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	5.556	168	131185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91749	53.762	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.520%			
35) Dibromofluoromethane	5.385	113	71725	48.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.520%			
50) Toluene-d8	8.653	98	257371	48.603	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.200%			
62) 4-Bromofluorobenzene	11.079	95	102780	53.004	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60417	50.341	ug/l	97
3) Chloromethane	1.295	50	57894	49.808	ug/l	97
4) Vinyl Chloride	1.374	62	64086	49.579	ug/l	99
5) Bromomethane	1.612	94	54280	40.107	ug/l	97
6) Chloroethane	1.685	64	53549	46.881	ug/l	99
7) Trichlorofluoromethane	1.886	101	123978	53.954	ug/l	99
8) Diethyl Ether	2.130	74	42088	53.898	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	63720	51.148	ug/l	98
10) Methyl Iodide	2.453	142	75002	41.661	ug/l	97
11) Tert butyl alcohol	2.995	59	57126	236.435	ug/l	97
12) 1,1-Dichloroethene	2.319	96	58892	50.295	ug/l	91
13) Acrolein	2.239	56	55957	269.351	ug/l	98
14) Allyl chloride	2.666	41	99583	54.149	ug/l	98
15) Acrylonitrile	3.069	53	162155	253.348	ug/l	99
16) Acetone	2.386	43	145166	262.118	ug/l	97
17) Carbon Disulfide	2.514	76	129166	47.119	ug/l	99
18) Methyl Acetate	2.703	43	99419	52.877	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	219869	54.492	ug/l	99
20) Methylene Chloride	2.788	84	68220	47.973	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	64608	50.660	ug/l	95
22) Diisopropyl ether	3.757	45	218896	54.354	ug/l	96
23) Vinyl Acetate	3.721	43	882913	274.303	ug/l	100
24) 1,1-Dichloroethane	3.611	63	124885	53.672	ug/l	99
25) 2-Butanone	4.556	43	226855	262.361	ug/l	97
26) 2,2-Dichloropropane	4.477	77	93205	55.597	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	79060	52.946	ug/l	96
28) Bromochloromethane	4.898	49	46899	48.854	ug/l	96
29) Tetrahydrofuran	5.007	42	145180	259.964	ug/l	100
30) Chloroform	5.099	83	138610	54.730	ug/l	95
31) Cyclohexane	5.471	56	101205	51.874	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	124460	57.628	ug/l	99
36) 1,1-Dichloropropene	5.696	75	96213	50.844	ug/l	99
37) Ethyl Acetate	4.715	43	92344	49.841	ug/l	99
38) Carbon Tetrachloride	5.678	117	107577	53.852	ug/l	99
39) Methylcyclohexane	7.385	83	113634	50.268	ug/l	97
40) Benzene	6.038	78	275240	50.185	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53294	54.550	ug/l	98
42) 1,2-Dichloroethane	6.086	62	117205	55.792	ug/l	97
43) Isopropyl Acetate	6.342	43	154287	53.057	ug/l	100
44) Trichloroethene	7.129	130	74878	49.578	ug/l	100
45) 1,2-Dichloropropane	7.434	63	72501	52.402	ug/l	99
46) Dibromomethane	7.580	93	53880	52.213	ug/l	98
47) Bromodichloromethane	7.824	83	105976	55.594	ug/l	95
48) Methyl methacrylate	7.696	41	80796	55.712	ug/l	97
49) 1,4-Dioxane	7.696	88	28262	971.025	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	483766	265.389	ug/l	100
52) Toluene	8.720	92	182182	51.278	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	109043	50.736	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	115259	54.264	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	76664	53.118	ug/l	98
56) Ethyl methacrylate	9.116	69	114419	55.045	ug/l	98
57) 1,3-Dichloropropane	9.311	76	124516	53.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	240085	251.990	ug/l	99
59) 2-Hexanone	9.433	43	364059	267.661	ug/l	99
60) Dibromochloromethane	9.525	129	81336	54.987	ug/l	99
61) 1,2-Dibromoethane	9.610	107	80920	52.889	ug/l	98
64) Tetrachloroethene	9.275	164	61753	47.876	ug/l	97
65) Chlorobenzene	10.080	112	200566	50.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	77281	53.929	ug/l	100
67) Ethyl Benzene	10.195	91	368013	51.902	ug/l	99
68) m/p-Xylenes	10.305	106	285400	101.923	ug/l	98
69) o-Xylene	10.640	106	139428	51.977	ug/l	98
70) Styrene	10.653	104	234844	51.915	ug/l	98
71) Bromoform	10.799	173	57928	47.748	ug/l #	100
73) Isopropylbenzene	10.964	105	372274	50.804	ug/l	100
74) N-amyl acetate	10.842	43	149135	55.090	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	117428	49.846	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	106137m	52.161	ug/l	
77) Bromobenzene	11.195	156	90211	50.225	ug/l	96
78) n-propylbenzene	11.305	91	436535	52.027	ug/l	100
79) 2-Chlorotoluene	11.366	91	263788	52.164	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	332273	52.497	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31421	48.602	ug/l	96
82) 4-Chlorotoluene	11.457	91	312262	53.038	ug/l	99
83) tert-Butylbenzene	11.713	119	330551	52.197	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	328915	53.451	ug/l	98
85) sec-Butylbenzene	11.890	105	399676	52.223	ug/l	99
86) p-Isopropyltoluene	12.012	119	345864	53.112	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	172213	49.815	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	178208	50.183	ug/l	99
89) n-Butylbenzene	12.335	91	299949	52.296	ug/l	100
90) Hexachloroethane	12.542	117	54398	53.834	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	175713	51.775	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25517	53.821	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	108611	49.160	ug/l	98
94) Hexachlorobutadiene	13.725	225	44358	46.260	ug/l	99
95) Naphthalene	13.774	128	364030	51.445	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	107949	48.578	ug/l	99

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

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