

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101422\
 Data File : VX032125.D
 Acq On : 14 Oct 2022 10:40
 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 10/17/2022
 Supervised By : Mahesh Dadoda 10/17/2022

Quant Time: Oct 17 02:21:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	81725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125883	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95018	56.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.600%			
35) Dibromofluoromethane	5.379	113	73163	51.345	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	8.647	98	260927	50.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.780%			
62) 4-Bromofluorobenzene	11.079	95	81371	44.890	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	61318	50.416	ug/l	99
3) Chloromethane	1.289	50	54716	42.961	ug/l	98
4) Vinyl Chloride	1.374	62	65789	44.201	ug/l	98
5) Bromomethane	1.612	94	44003	45.263	ug/l	97
6) Chloroethane	1.685	64	52830	41.710	ug/l	99
7) Trichlorofluoromethane	1.886	101	107139	40.045	ug/l	100
8) Diethyl Ether	2.130	74	37156	40.743	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	68620	50.743	ug/l	94
10) Methyl Iodide	2.447	142	66090	48.139	ug/l	96
11) Tert butyl alcohol	3.008	59	55094m	262.365	ug/l	
12) 1,1-Dichloroethene	2.319	96	58785	47.223	ug/l	94
13) Acrolein	2.233	56	24295	197.386	ug/l	99
14) Allyl chloride	2.660	41	98170	55.424	ug/l	95
15) Acrylonitrile	3.063	53	165426	247.120	ug/l	99
16) Acetone	2.386	43	154731	269.746	ug/l	98
17) Carbon Disulfide	2.508	76	116947	43.748	ug/l	99
18) Methyl Acetate	2.703	43	102633	54.227	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	229605	54.965	ug/l	98
20) Methylene Chloride	2.788	84	69341	46.001	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	64286	46.633	ug/l	94
22) Diisopropyl ether	3.758	45	226148	56.794	ug/l	98
23) Vinyl Acetate	3.721	43	874980	293.971	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125399	52.536	ug/l	99
25) 2-Butanone	4.556	43	242210	270.115	ug/l	99
26) 2,2-Dichloropropane	4.471	77	108639	63.366	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	80746	48.952	ug/l	96
28) Bromochloromethane	4.898	49	54889	53.725	ug/l	92
29) Tetrahydrofuran	5.007	42	147682	255.255	ug/l	97
30) Chloroform	5.093	83	145137	54.589	ug/l	99
31) Cyclohexane	5.465	56	99100	49.150	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	127510	56.437	ug/l	100
36) 1,1-Dichloropropene	5.690	75	98189	51.965	ug/l	100
37) Ethyl Acetate	4.709	43	96225	54.092	ug/l	99
38) Carbon Tetrachloride	5.678	117	110170	57.024	ug/l	99
39) Methylcyclohexane	7.379	83	115453	51.225	ug/l	99
40) Benzene	6.038	78	276259	49.930	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53446	57.777	ug/l	97
42) 1,2-Dichloroethane	6.080	62	120376	59.704	ug/l	99
43) Isopropyl Acetate	6.336	43	159758	59.192	ug/l	99
44) Trichloroethene	7.123	130	78462	48.363	ug/l	93
45) 1,2-Dichloropropane	7.428	63	72745	53.499	ug/l	95
46) Dibromomethane	7.580	93	54042	51.284	ug/l	95
47) Bromodichloromethane	7.818	83	111445	61.220	ug/l	100
48) Methyl methacrylate	7.690	41	80820	62.665	ug/l	98
49) 1,4-Dioxane	7.690	88	27934	954.293	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	497602	278.208	ug/l	98
52) Toluene	8.714	92	185278	51.216	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	114604	58.277	ug/l	99
54) cis-1,3-Dichloropropene	8.367	75	121742	61.752	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	79006	51.744	ug/l	97
56) Ethyl methacrylate	9.116	69	117373	59.970	ug/l	98
57) 1,3-Dichloropropane	9.305	76	131238	53.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	266807	264.087	ug/l	98
59) 2-Hexanone	9.433	43	292973	222.151	ug/l	97
60) Dibromochloromethane	9.519	129	66454	47.557	ug/l	99
61) 1,2-Dibromoethane	9.610	107	65153	42.432	ug/l	100
64) Tetrachloroethene	9.275	164	77202	60.820	ug/l	97
65) Chlorobenzene	10.080	112	165975	48.719	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	62665	53.160	ug/l	98
67) Ethyl Benzene	10.195	91	293866	50.989	ug/l	100
68) m/p-Xylenes	10.299	106	230109	100.472	ug/l	100
69) o-Xylene	10.640	106	113367	50.927	ug/l	99
70) Styrene	10.653	104	192803	54.179	ug/l	98
71) Bromoform	10.799	173	45994	59.601	ug/l #	99
73) Isopropylbenzene	10.964	105	305430	39.656	ug/l	99
74) N-amyl acetate	10.842	43	113824	48.394	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	107103	43.767	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	107632m	51.426	ug/l	
77) Bromobenzene	11.201	156	74770	39.410	ug/l	99
78) n-propylbenzene	11.305	91	461448	52.674	ug/l	99
79) 2-Chlorotoluene	11.366	91	275164	52.195	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	342726	53.652	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	25723	44.072	ug/l	95
82) 4-Chlorotoluene	11.451	91	325156	53.854	ug/l	97
83) tert-Butylbenzene	11.713	119	328281	51.925	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	341674	52.652	ug/l	97
85) sec-Butylbenzene	11.890	105	430687	55.024	ug/l	98
86) p-Isopropyltoluene	12.006	119	370126	56.163	ug/l	98
87) 1,3-Dichlorobenzene	11.970	146	180556	49.983	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	182172	48.994	ug/l	99
89) n-Butylbenzene	12.335	91	332951	60.331	ug/l	99
90) Hexachloroethane	12.536	117	58210	55.401	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	181648	50.576	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27300	60.945	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	117059	53.700	ug/l	99
94) Hexachlorobutadiene	13.725	225	49556	56.208	ug/l	97
95) Naphthalene	13.774	128	384421	51.465	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	115321	52.155	ug/l	99

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

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