

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101222\
 Data File : VX032097.D
 Acq On : 12 Oct 2022 20:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2022
 Supervised By : Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 09:23:51 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	5.556	168	74546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	116782	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90393	58.715	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.420%			
35) Dibromofluoromethane	5.385	113	69633	52.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.360%			
50) Toluene-d8	8.653	98	245934	51.703	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.079	95	100246	59.613	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	58739	52.946	ug/l	98
3) Chloromethane	1.288	50	51972	44.736	ug/l	99
4) Vinyl Chloride	1.374	62	62513	46.045	ug/l	99
5) Bromomethane	1.611	94	43506	49.384	ug/l	96
6) Chloroethane	1.685	64	48504	41.983	ug/l	98
7) Trichlorofluoromethane	1.886	101	120271	49.283	ug/l	97
8) Diethyl Ether	2.130	74	40873	49.135	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	60819	49.305	ug/l	93
10) Methyl Iodide	2.453	142	57820	46.284	ug/l	96
11) Tert butyl alcohol	2.995	59	51718	270.006	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	55302	48.704	ug/l	95
13) Acrolein	2.239	56	25929	233.777	ug/l	99
14) Allyl chloride	2.666	41	89845	55.609	ug/l	95
15) Acrylonitrile	3.068	53	162115	265.496	ug/l	100
16) Acetone	2.386	43	138703	265.091	ug/l	99
17) Carbon Disulfide	2.508	76	106155	43.535	ug/l	99
18) Methyl Acetate	2.703	43	99046	57.372	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	213295	55.978	ug/l	99
20) Methylene Chloride	2.788	84	63995	46.543	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	59774	47.536	ug/l	99
22) Diisopropyl ether	3.763	45	208962	57.532	ug/l	98
23) Vinyl Acetate	3.721	43	819384	301.804	ug/l	100
24) 1,1-Dichloroethane	3.611	63	116867	53.677	ug/l	99
25) 2-Butanone	4.562	43	225729	275.978	ug/l	99
26) 2,2-Dichloropropane	4.477	77	83828	53.603	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	74722	49.662	ug/l	94
28) Bromochloromethane	4.891	49	49929	53.576	ug/l	92
29) Tetrahydrofuran	5.007	42	141428	267.986	ug/l	95
30) Chloroform	5.099	83	134958	55.649	ug/l	97
31) Cyclohexane	5.470	56	92583	50.340	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	116358	56.461	ug/l	100
36) 1,1-Dichloropropene	5.690	75	90943	51.881	ug/l	100
37) Ethyl Acetate	4.714	43	91188	55.255	ug/l	99
38) Carbon Tetrachloride	5.678	117	98276	54.832	ug/l	100
39) Methylcyclohexane	7.379	83	103267	49.389	ug/l	96
40) Benzene	6.037	78	257500	50.166	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	51966	60.555	ug/l	99
42) 1,2-Dichloroethane	6.086	62	110668	59.166	ug/l	99
43) Isopropyl Acetate	6.342	43	150738	60.202	ug/l	99
44) Trichloroethene	7.129	130	73397	48.767	ug/l	100
45) 1,2-Dichloropropane	7.433	63	67565	53.562	ug/l	95
46) Dibromomethane	7.580	93	51497	52.677	ug/l	96
47) Bromodichloromethane	7.824	83	99470	58.900	ug/l	99
48) Methyl methacrylate	7.696	41	75711	63.279	ug/l	97
49) 1,4-Dioxane	7.690	88	26895	993.212	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	480380	289.510	ug/l	100
52) Toluene	8.720	92	172837	51.500	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	98800	54.241	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	107108	58.563	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	73454	51.857	ug/l	99
56) Ethyl methacrylate	9.116	69	107568	59.244	ug/l	98
57) 1,3-Dichloropropane	9.311	76	121683	53.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	267110	284.992	ug/l	96
59) 2-Hexanone	9.433	43	355569	290.627	ug/l	99
60) Dibromochloromethane	9.525	129	75467	58.216	ug/l	99
61) 1,2-Dibromoethane	9.610	107	76471	53.684	ug/l	98
64) Tetrachloroethene	9.275	164	69976	47.880	ug/l	97
65) Chlorobenzene	10.079	112	188903	48.160	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	70999	52.312	ug/l	98
67) Ethyl Benzene	10.195	91	341771	51.506	ug/l	98
68) m/p-Xylenes	10.305	106	259132	98.270	ug/l	95
69) o-Xylene	10.640	106	129287	50.443	ug/l	97
70) Styrene	10.659	104	217681	53.128	ug/l	98
71) Bromoform	10.799	173	51057	57.464	ug/l #	99
73) Isopropylbenzene	10.963	105	355728	50.429	ug/l	97
74) N-amyl acetate	10.848	43	135789	63.037	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	108378	48.356	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	100785m	52.579	ug/l	
77) Bromobenzene	11.201	156	82639	47.559	ug/l	97
78) n-propylbenzene	11.305	91	417414	52.025	ug/l	98
79) 2-Chlorotoluene	11.366	91	247245	51.207	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	307618	52.580	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27335	50.561	ug/l #	84
82) 4-Chlorotoluene	11.457	91	291456	52.707	ug/l	97
83) tert-Butylbenzene	11.713	119	298320	51.521	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	303641	51.090	ug/l	99
85) sec-Butylbenzene	11.890	105	383560	53.505	ug/l	99
86) p-Isopropyltoluene	12.012	119	329129	54.530	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	159978	48.354	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	164142	48.200	ug/l	99
89) n-Butylbenzene	12.335	91	296983	58.757	ug/l	99
90) Hexachloroethane	12.542	117	49843	51.881	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	162676	49.455	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24989	60.911	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	103860	52.022	ug/l	98
94) Hexachlorobutadiene	13.725	225	43132	53.416	ug/l	98
95) Naphthalene	13.774	128	362171	52.940	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	105440	52.067	ug/l	99

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

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