

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031522\
 Data File : VX027461.D
 Acq On : 15 Mar 2022 20:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/16/2022
 Supervised By : Mahesh Dadoda 03/16/2022

Quant Time: Mar 16 04:22:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	297255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	475926	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	232160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196245	56.613	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.220%			
35) Dibromofluoromethane	5.391	113	165305	53.828	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.660%			
50) Toluene-d8	8.653	98	625310	53.935	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.880%			
62) 4-Bromofluorobenzene	11.085	95	239073	54.104	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	154437	50.685	ug/l	100
3) Chloromethane	1.294	50	137509	42.917	ug/l	99
4) Vinyl Chloride	1.374	62	156946	47.659	ug/l	100
5) Bromomethane	1.599	94	73597	55.860	ug/l	99
6) Chloroethane	1.679	64	97662	51.631	ug/l	99
7) Trichlorofluoromethane	1.880	101	251868	54.923	ug/l	99
8) Diethyl Ether	2.136	74	98007	54.848	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	155913	52.003	ug/l	94
10) Methyl Iodide	2.453	142	206524	48.802	ug/l	98
11) Tert butyl alcohol	2.971	59	190614	280.495	ug/l	99
12) 1,1-Dichloroethene	2.319	96	149117	51.736	ug/l	94
13) Acrolein	2.239	56	129498	271.856	ug/l	98
14) Allyl chloride	2.660	41	230986	51.093	ug/l	93
15) Acrylonitrile	3.069	53	437812	244.802	ug/l	99
16) Acetone	2.380	43	387412	288.817	ug/l	95
17) Carbon Disulfide	2.508	76	335368	42.827	ug/l	99
18) Methyl Acetate	2.703	43	196506	51.569	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	532210	55.731	ug/l	98
20) Methylene Chloride	2.788	84	162734	48.054	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	152890	47.724	ug/l	97
22) Diisopropyl ether	3.764	45	475323	52.592	ug/l #	89
23) Vinyl Acetate	3.727	43	2094595	277.034	ug/l	96
24) 1,1-Dichloroethane	3.611	63	282342	51.449	ug/l	98
25) 2-Butanone	4.562	43	609924	255.438	ug/l	96
26) 2,2-Dichloropropane	4.477	77	214665	54.556	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	186955	50.299	ug/l	97
28) Bromochloromethane	4.904	49	116410	50.982	ug/l	93
29) Tetrahydrofuran	5.007	42	394597	249.759	ug/l	93
30) Chloroform	5.099	83	309607	53.453	ug/l	98
31) Cyclohexane	5.471	56	231784	47.803	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	279510	56.461	ug/l	99
36) 1,1-Dichloropropene	5.696	75	215071	50.442	ug/l	98
37) Ethyl Acetate	4.721	43	236592	52.641	ug/l	98
38) Carbon Tetrachloride	5.678	117	245580	55.701	ug/l	98
39) Methylcyclohexane	7.385	83	261262	48.524	ug/l	97
40) Benzene	6.044	78	633745	48.801	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	130156	53.712	ug/l	93
42) 1,2-Dichloroethane	6.092	62	245697	57.917	ug/l	97
43) Isopropyl Acetate	6.342	43	381452	56.302	ug/l	96
44) Trichloroethene	7.129	130	184710	51.786	ug/l	99
45) 1,2-Dichloropropane	7.434	63	164757	50.633	ug/l	98
46) Dibromomethane	7.586	93	123661	53.416	ug/l	99
47) Bromodichloromethane	7.824	83	241587	56.507	ug/l	98
48) Methyl methacrylate	7.696	41	190425	56.521	ug/l	89
49) 1,4-Dioxane	7.659	88	82040	929.893	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1230088	271.185	ug/l	96
52) Toluene	8.720	92	447698	54.078	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	257618	58.728	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	278260	56.510	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	191639	55.468	ug/l	99
56) Ethyl methacrylate	9.116	69	292410	57.379	ug/l	94
57) 1,3-Dichloropropane	9.311	76	302606	54.256	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	732201	284.571	ug/l	97
59) 2-Hexanone	9.433	43	938228	267.771	ug/l	94
60) Dibromochloromethane	9.525	129	201245	57.071	ug/l	97
61) 1,2-Dibromoethane	9.610	107	206433	57.858	ug/l	98
64) Tetrachloroethene	9.275	164	174107	53.544	ug/l	97
65) Chlorobenzene	10.079	112	499660	51.184	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	192560	56.419	ug/l	98
67) Ethyl Benzene	10.195	91	874117	51.923	ug/l	97
68) m/p-Xylenes	10.305	106	683902	103.569	ug/l	99
69) o-Xylene	10.646	106	342300	52.504	ug/l	98
70) Styrene	10.659	104	567784	52.467	ug/l	100
71) Bromoform	10.805	173	152442	54.691	ug/l #	100
73) Isopropylbenzene	10.963	105	890204	52.429	ug/l	100
74) N-amyl acetate	10.848	43	336018	54.146	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	285002	48.845	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	259897m	51.024	ug/l	
77) Bromobenzene	11.201	156	227846	53.178	ug/l	93
78) n-propylbenzene	11.305	91	979337	51.276	ug/l	97
79) 2-Chlorotoluene	11.366	91	601276	50.372	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	754547	51.834	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	83270	52.870	ug/l	94
82) 4-Chlorotoluene	11.457	91	684573	50.696	ug/l	98
83) tert-Butylbenzene	11.719	119	758108	52.101	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	754463	52.257	ug/l	99
85) sec-Butylbenzene	11.896	105	913653	52.062	ug/l	99
86) p-Isopropyltoluene	12.012	119	787224	52.983	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	415066	51.563	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	414964	50.917	ug/l	99
89) n-Butylbenzene	12.335	91	646858	51.976	ug/l	97
90) Hexachloroethane	12.542	117	122407	52.858	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	412211	51.938	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	65552	53.622	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	260245	49.955	ug/l	99
94) Hexachlorobutadiene	13.725	225	111423	48.776	ug/l	95
95) Naphthalene	13.780	128	902136	51.582	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	264598	50.824	ug/l	95

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

