

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027065.D
 Acq On : 16 Feb 2022 21:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 07:20:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	91898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	150429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48293	43.778	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.560%		
35) Dibromofluoromethane	5.391	113	39548	44.127	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.260%		
50) Toluene-d8	8.653	98	149279	45.376	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.760%#		
62) 4-Bromofluorobenzene	11.079	95	55633	48.033	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	43029	43.061	ug/l	99
3) Chloromethane	1.295	50	42467	45.684	ug/l	100
4) Vinyl Chloride	1.374	62	40524	41.644	ug/l	99
5) Bromomethane	1.599	94	17895	43.337	ug/l	98
6) Chloroethane	1.685	64	25040	46.677	ug/l	98
7) Trichlorofluoromethane	1.892	101	61382	42.864	ug/l	99
8) Diethyl Ether	2.136	74	22244	41.933	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.337	101	41428	44.135	ug/l	98
10) Methyl Iodide	2.453	142	51021	39.677	ug/l	96
11) Tert butyl alcohol	2.965	59	45503	228.329	ug/l	96
12) 1,1-Dichloroethene	2.325	96	40436	42.994	ug/l	90
13) Acrolein	2.240	56	45598	247.591	ug/l	100
14) Allyl chloride	2.666	41	74669	44.821	ug/l	96
15) Acrylonitrile	3.063	53	131801	230.792	ug/l	99
16) Acetone	2.380	43	109815	226.652	ug/l	96
17) Carbon Disulfide	2.514	76	100252	37.654	ug/l	98
18) Methyl Acetate	2.703	43	58782	42.167	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	144866	43.517	ug/l	99
20) Methylene Chloride	2.794	84	46341	44.141	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	43630	44.085	ug/l	95
22) Diisopropyl ether	3.764	45	148274	44.208	ug/l	97
23) Vinyl Acetate	3.721	43	647277	229.533	ug/l	98
24) 1,1-Dichloroethane	3.617	63	81150	44.713	ug/l	100
25) 2-Butanone	4.556	43	181820	232.917	ug/l	99
26) 2,2-Dichloropropane	4.483	77	58309	47.550	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	50972	44.857	ug/l	97
28) Bromochloromethane	4.904	49	33108	44.007	ug/l	96
29) Tetrahydrofuran	5.007	42	121531	229.004	ug/l	98
30) Chloroform	5.099	83	84334	44.724	ug/l	98
31) Cyclohexane	5.477	56	74053	42.248	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	73042	43.934	ug/l	99
36) 1,1-Dichloropropene	5.696	75	61984	43.840	ug/l	99
37) Ethyl Acetate	4.715	43	69978	43.551	ug/l	99
38) Carbon Tetrachloride	5.684	117	64640	43.598	ug/l	98
39) Methylcyclohexane	7.385	83	76024	43.846	ug/l	96
40) Benzene	6.044	78	181850	44.132	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40714	46.752	ug/l	96
42) 1,2-Dichloroethane	6.086	62	66649	45.900	ug/l	98
43) Isopropyl Acetate	6.342	43	112943	45.684	ug/l	98
44) Trichloroethene	7.129	130	53510	43.249	ug/l	94
45) 1,2-Dichloropropane	7.434	63	46823	44.911	ug/l	99
46) Dibromomethane	7.586	93	33188	46.005	ug/l	98
47) Bromodichloromethane	7.824	83	65463	47.385	ug/l	99
48) Methyl methacrylate	7.696	41	56073	45.775	ug/l	97
49) 1,4-Dioxane	7.665	88	20046	949.660	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	360282	240.486	ug/l	98
52) Toluene	8.720	92	119302	45.729	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	68112	45.664	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	74532	48.857	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	48670	49.278	ug/l	98
56) Ethyl methacrylate	9.116	69	76708	48.996	ug/l	96
57) 1,3-Dichloropropane	9.311	76	82215	48.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	185456	230.790	ug/l	98
59) 2-Hexanone	9.433	43	268317	244.861	ug/l	97
60) Dibromochloromethane	9.525	129	51570	50.746	ug/l	100
61) 1,2-Dibromoethane	9.610	107	51445	49.300	ug/l	98
64) Tetrachloroethene	9.275	164	55604	39.971	ug/l	93
65) Chlorobenzene	10.080	112	127931	44.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	48284	45.823	ug/l	99
67) Ethyl Benzene	10.195	91	228675	45.106	ug/l	100
68) m/p-Xylenes	10.305	106	176428	90.450	ug/l	97
69) o-Xylene	10.647	106	86360	45.184	ug/l	97
70) Styrene	10.659	104	145519	46.944	ug/l	97
71) Bromoform	10.799	173	35260	43.460	ug/l #	100
73) Isopropylbenzene	10.964	105	226964	44.994	ug/l	98
74) N-amyl acetate	10.842	43	93530	46.405	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	64204	46.902	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	64817m	46.236	ug/l	
77) Bromobenzene	11.201	156	54141	45.154	ug/l	95
78) n-propylbenzene	11.305	91	258951	46.306	ug/l	99
79) 2-Chlorotoluene	11.366	91	153392	44.394	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	187934	45.268	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19177	43.262	ug/l	93
82) 4-Chlorotoluene	11.457	91	175461	45.267	ug/l	98
83) tert-Butylbenzene	11.713	119	180047	45.502	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	186276	44.484	ug/l	98
85) sec-Butylbenzene	11.890	105	231853	46.226	ug/l	99
86) p-Isopropyltoluene	12.012	119	194950	45.880	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	99265	45.180	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	99323	44.826	ug/l	99
89) n-Butylbenzene	12.335	91	164193	47.229	ug/l	99
90) Hexachloroethane	12.543	117	30697	49.984	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	95959	45.264	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15245	45.287	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	60503	45.222	ug/l	98
94) Hexachlorobutadiene	13.725	225	25340	44.777	ug/l	99
95) Naphthalene	13.774	128	212482	45.339	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	61349	45.284	ug/l	99

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

