

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021722\
 Data File : VX027090.D
 Acq On : 17 Feb 2022 20:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 03:55:33 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	82455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	135166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49177	49.684	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.360%		
35) Dibromofluoromethane	5.391	113	40409	50.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.360%		
50) Toluene-d8	8.653	98	143307	48.480	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.960%		
62) 4-Bromofluorobenzene	11.085	95	51531	49.515	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	40603	45.287	ug/l	99
3) Chloromethane	1.295	50	37176	44.572	ug/l	100
4) Vinyl Chloride	1.374	62	37164	42.565	ug/l	100
5) Bromomethane	1.599	94	13241	35.738	ug/l	98
6) Chloroethane	1.685	64	21899	45.310	ug/l	100
7) Trichlorofluoromethane	1.886	101	58800	45.763	ug/l	99
8) Diethyl Ether	2.136	74	21002	44.126	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	40924	48.591	ug/l	97
10) Methyl Iodide	2.453	142	51575	44.415	ug/l	96
11) Tert butyl alcohol	2.971	59	50180	280.635	ug/l	96
12) 1,1-Dichloroethene	2.319	96	39473	46.777	ug/l	94
13) Acrolein	2.240	56	48113	291.165	ug/l	100
14) Allyl chloride	2.666	41	72756	48.674	ug/l	95
15) Acrylonitrile	3.069	53	132661	258.902	ug/l	99
16) Acetone	2.380	43	111326	256.085	ug/l	95
17) Carbon Disulfide	2.514	76	93542	39.158	ug/l	100
18) Methyl Acetate	2.709	43	59700	47.730	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	145008	48.548	ug/l	99
20) Methylene Chloride	2.794	84	44545	47.290	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	42448	47.803	ug/l	95
22) Diisopropyl ether	3.764	45	146834	48.792	ug/l	97
23) Vinyl Acetate	3.727	43	645149	254.979	ug/l	98
24) 1,1-Dichloroethane	3.617	63	80034	49.148	ug/l	100
25) 2-Butanone	4.562	43	186969	266.942	ug/l	99
26) 2,2-Dichloropropane	4.483	77	54453	49.491	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	50737	49.764	ug/l	96
28) Bromochloromethane	4.904	49	31753	47.039	ug/l	95
29) Tetrahydrofuran	5.007	42	122596	257.467	ug/l	98
30) Chloroform	5.099	83	83020	49.069	ug/l	98
31) Cyclohexane	5.477	56	71222	45.286	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	72531	48.623	ug/l	99
36) 1,1-Dichloropropene	5.696	75	59307	46.684	ug/l	97
37) Ethyl Acetate	4.721	43	72430	50.168	ug/l	98
38) Carbon Tetrachloride	5.684	117	64269	48.243	ug/l	96
39) Methylcyclohexane	7.385	83	72802	46.729	ug/l	98
40) Benzene	6.044	78	178139	48.113	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	39714	50.753	ug/l	96
42) 1,2-Dichloroethane	6.092	62	64912	49.752	ug/l	98
43) Isopropyl Acetate	6.349	43	112555	50.669	ug/l	98
44) Trichloroethene	7.129	130	51969	46.747	ug/l	96
45) 1,2-Dichloropropane	7.434	63	46230	49.350	ug/l	99
46) Dibromomethane	7.586	93	31755	48.989	ug/l	95
47) Bromodichloromethane	7.824	83	62691	50.503	ug/l	98
48) Methyl methacrylate	7.696	41	55095	50.056	ug/l	96
49) 1,4-Dioxane	7.665	88	21003	1107.352	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	352564	261.908	ug/l	98
52) Toluene	8.720	92	110186	47.004	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	63966	47.666	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	71255	51.984	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	45609	51.393	ug/l	98
56) Ethyl methacrylate	9.116	69	72855	51.790	ug/l	95
57) 1,3-Dichloropropane	9.311	76	76743	50.359	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	188279	260.761	ug/l	98
59) 2-Hexanone	9.433	43	264159	268.287	ug/l	97
60) Dibromochloromethane	9.525	129	47567	52.092	ug/l	99
61) 1,2-Dibromoethane	9.610	107	47946	51.135	ug/l	99
64) Tetrachloroethene	9.275	164	53254	45.829	ug/l	96
65) Chlorobenzene	10.080	112	115729	48.367	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	44729	50.817	ug/l	98
67) Ethyl Benzene	10.195	91	209169	49.392	ug/l	98
68) m/p-Xylenes	10.305	106	159575	97.937	ug/l	96
69) o-Xylene	10.647	106	78649	49.262	ug/l	96
70) Styrene	10.659	104	131818	50.907	ug/l	98
71) Bromoform	10.805	173	32390	47.607	ug/l #	100
73) Isopropylbenzene	10.964	105	205072	48.037	ug/l	98
74) N-amyl acetate	10.848	43	89843	52.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	60583	52.294	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	60786m	51.235	ug/l	
77) Bromobenzene	11.201	156	49200	48.484	ug/l	95
78) n-propylbenzene	11.305	91	231169	48.845	ug/l	98
79) 2-Chlorotoluene	11.366	91	140755	48.135	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	170666	48.574	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	18698	49.326	ug/l	91
82) 4-Chlorotoluene	11.457	91	162473	49.527	ug/l	97
83) tert-Butylbenzene	11.720	119	165338	49.373	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	170995	48.250	ug/l	98
85) sec-Butylbenzene	11.890	105	212001	49.943	ug/l	99
86) p-Isopropyltoluene	12.012	119	177927	49.478	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	92531	49.763	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	91453	48.769	ug/l	99
89) n-Butylbenzene	12.335	91	148540	50.485	ug/l	99
90) Hexachloroethane	12.543	117	28456	54.749	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	90080	50.207	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15091	52.970	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	56855	50.212	ug/l	99
94) Hexachlorobutadiene	13.725	225	23946	49.998	ug/l	98
95) Naphthalene	13.780	128	204939	51.671	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	58250	50.805	ug/l	99

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

