

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022522\
 Data File : VX027214.D
 Acq On : 26 Feb 2022 01:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Quant Time: Feb 26 03:10:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	80869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	133387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48966	50.416	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.840%			
35) Dibromofluoromethane	5.391	113	40178	48.527	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.060%			
50) Toluene-d8	8.653	98	151478	48.930	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.860%			
62) 4-Bromofluorobenzene	11.079	95	56864	47.852	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	41090	51.116	ug/l	99
3) Chloromethane	1.301	50	41805	55.634	ug/l	99
4) Vinyl Chloride	1.380	62	39731	53.083	ug/l	100
5) Bromomethane	1.605	94	17887	54.827	ug/l	96
6) Chloroethane	1.685	64	24096	52.427	ug/l	99
7) Trichlorofluoromethane	1.892	101	61609	52.924	ug/l	99
8) Diethyl Ether	2.136	74	22123	54.600	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	42402	52.286	ug/l	96
10) Methyl Iodide	2.459	142	62591	57.478	ug/l	96
11) Tert butyl alcohol	2.965	59	46708	247.170	ug/l	97
12) 1,1-Dichloroethene	2.325	96	42256	53.673	ug/l	90
13) Acrolein	2.239	56	45757	261.969	ug/l	100
14) Allyl chloride	2.666	41	72141	52.044	ug/l	95
15) Acrylonitrile	3.068	53	134204	276.763	ug/l	98
16) Acetone	2.380	43	112547	263.927	ug/l	95
17) Carbon Disulfide	2.514	76	96881	47.325	ug/l	100
18) Methyl Acetate	2.709	43	60123	54.624	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	147657	54.658	ug/l	99
20) Methylene Chloride	2.794	84	47395	53.623	ug/l	94
21) trans-1,2-Dichloroethene	3.099	96	45661	54.384	ug/l	94
22) Diisopropyl ether	3.770	45	149291	55.247	ug/l	92
23) Vinyl Acetate	3.727	43	637404	279.327	ug/l	97
24) 1,1-Dichloroethane	3.617	63	82717	54.148	ug/l	99
25) 2-Butanone	4.562	43	182287	268.420	ug/l	98
26) 2,2-Dichloropropane	4.483	77	45821	41.347	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	53308	54.748	ug/l	93
28) Bromochloromethane	4.904	49	30367	49.137	ug/l	93
29) Tetrahydrofuran	5.007	42	121767	267.903	ug/l	97
30) Chloroform	5.099	83	84623	53.334	ug/l	100
31) Cyclohexane	5.477	56	76459	52.564	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	73020	53.162	ug/l	99
36) 1,1-Dichloropropene	5.696	75	63442	52.503	ug/l	98
37) Ethyl Acetate	4.721	43	69849	52.649	ug/l	98
38) Carbon Tetrachloride	5.684	117	62477	49.575	ug/l	95
39) Methylcyclohexane	7.385	83	77023	51.242	ug/l	96
40) Benzene	6.044	78	187083	52.944	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	39417	54.160	ug/l	95
42) 1,2-Dichloroethane	6.092	62	66805	53.291	ug/l	97
43) Isopropyl Acetate	6.342	43	110293	54.041	ug/l	97
44) Trichloroethene	7.129	130	55391	52.401	ug/l	95
45) 1,2-Dichloropropane	7.434	63	47206	54.675	ug/l	97
46) Dibromomethane	7.580	93	33276	53.659	ug/l	96
47) Bromodichloromethane	7.824	83	62532	51.663	ug/l	98
48) Methyl methacrylate	7.696	41	55114	55.789	ug/l	96
49) 1,4-Dioxane	7.659	88	21592	966.810	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	357204	269.280	ug/l	97
52) Toluene	8.720	92	119133	52.651	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	61827	45.430	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	70143	51.915	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	48685	54.324	ug/l	97
56) Ethyl methacrylate	9.116	69	75591	54.176	ug/l	93
57) 1,3-Dichloropropane	9.311	76	81045	54.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	178298	265.106	ug/l	96
59) 2-Hexanone	9.433	43	269976	266.287	ug/l	97
60) Dibromochloromethane	9.525	129	47902	51.524	ug/l	99
61) 1,2-Dibromoethane	9.610	107	50077	52.469	ug/l	100
64) Tetrachloroethene	9.275	164	57809	53.750	ug/l	95
65) Chlorobenzene	10.079	112	128685	53.105	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	46031	52.382	ug/l	99
67) Ethyl Benzene	10.195	91	227543	53.490	ug/l	98
68) m/p-Xylenes	10.305	106	177836	108.743	ug/l	95
69) o-Xylene	10.640	106	86220	52.530	ug/l	98
70) Styrene	10.659	104	145528	54.185	ug/l	98
71) Bromoform	10.799	173	32710	43.593	ug/l #	99
73) Isopropylbenzene	10.963	105	225434	53.890	ug/l	99
74) N-amyl acetate	10.841	43	90434	56.817	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	64042	51.831	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	63518m	53.941	ug/l	
77) Bromobenzene	11.201	156	55771	53.450	ug/l	92
78) n-propylbenzene	11.305	91	256484	53.945	ug/l	98
79) 2-Chlorotoluene	11.366	91	155550	53.388	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	189475	53.865	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	16037	40.849	ug/l	95
82) 4-Chlorotoluene	11.457	91	177898	53.449	ug/l	97
83) tert-Butylbenzene	11.713	119	182178	53.263	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	190073	54.324	ug/l	97
85) sec-Butylbenzene	11.890	105	231559	53.992	ug/l	99
86) p-Isopropyltoluene	12.012	119	197939	54.139	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	102513	52.212	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	102704	51.160	ug/l	99
89) n-Butylbenzene	12.335	91	162231	53.088	ug/l	99
90) Hexachloroethane	12.542	117	27686	48.886	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	100727	52.579	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14536	50.674	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	63771	52.752	ug/l	99
94) Hexachlorobutadiene	13.725	225	25090	49.991	ug/l	98
95) Naphthalene	13.774	128	226426	55.119	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	64868	53.533	ug/l	99

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

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