

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027042.D
 Acq On : 15 Feb 2022 20:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 04:09:56 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	5.556	168	87522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	141778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	52456	49.929	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.860%			
35) Dibromofluoromethane	5.391	113	42884	50.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	8.653	98	159299	51.377	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.760%			
62) 4-Bromofluorobenzene	11.079	95	61313	56.167	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45193	47.488	ug/l	99
3) Chloromethane	1.294	50	44300	50.038	ug/l	99
4) Vinyl Chloride	1.374	62	42508	45.867	ug/l	99
5) Bromomethane	1.605	94	20939	53.244	ug/l	100
6) Chloroethane	1.691	64	25679	50.912	ug/l	100
7) Trichlorofluoromethane	1.892	101	65320	47.894	ug/l	99
8) Diethyl Ether	2.136	74	23537	46.589	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	43971	49.187	ug/l	98
10) Methyl Iodide	2.459	142	58609	47.392	ug/l	97
11) Tert butyl alcohol	2.971	59	37309	196.573	ug/l	96
12) 1,1-Dichloroethene	2.325	96	42149	47.056	ug/l	94
13) Acrolein	2.239	56	40021	228.173	ug/l	100
14) Allyl chloride	2.666	41	75981	47.889	ug/l	96
15) Acrylonitrile	3.062	53	126535	232.649	ug/l	99
16) Acetone	2.380	43	103914	225.196	ug/l	95
17) Carbon Disulfide	2.514	76	103423	40.788	ug/l	99
18) Methyl Acetate	2.703	43	57263	43.131	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	148896	46.964	ug/l	100
20) Methylene Chloride	2.794	84	47940	47.948	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	45185	47.939	ug/l	97
22) Diisopropyl ether	3.764	45	153094	47.927	ug/l	95
23) Vinyl Acetate	3.721	43	652383	242.911	ug/l	98
24) 1,1-Dichloroethane	3.611	63	84353	48.801	ug/l	99
25) 2-Butanone	4.556	43	171995	231.347	ug/l	99
26) 2,2-Dichloropropane	4.483	77	60530	51.830	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	54907	50.736	ug/l	95
28) Bromochloromethane	4.904	49	33712	47.050	ug/l	97
29) Tetrahydrofuran	5.001	42	113698	224.956	ug/l	98
30) Chloroform	5.099	83	86393	48.106	ug/l	99
31) Cyclohexane	5.477	56	77635	46.506	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	76727	48.458	ug/l	99
36) 1,1-Dichloropropene	5.696	75	63566	47.703	ug/l	97
37) Ethyl Acetate	4.708	43	67777	44.755	ug/l	98
38) Carbon Tetrachloride	5.684	117	66814	47.814	ug/l	99
39) Methylcyclohexane	7.385	83	79199	48.464	ug/l	98
40) Benzene	6.044	78	189051	48.679	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	38455	46.852	ug/l	97
42) 1,2-Dichloroethane	6.092	62	69281	50.624	ug/l	98
43) Isopropyl Acetate	6.342	43	110152	47.274	ug/l	98
44) Trichloroethene	7.129	130	55705	47.770	ug/l	96
45) 1,2-Dichloropropane	7.434	63	48709	49.571	ug/l	96
46) Dibromomethane	7.580	93	34116	50.177	ug/l	98
47) Bromodichloromethane	7.824	83	66556	51.116	ug/l	99
48) Methyl methacrylate	7.696	41	55799	48.331	ug/l	97
49) 1,4-Dioxane	7.665	88	16965	852.740	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	352037	249.321	ug/l	99
52) Toluene	8.720	92	122342	49.756	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	67492	47.940	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	75817	52.732	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	49358	53.024	ug/l	99
56) Ethyl methacrylate	9.116	69	77190	52.313	ug/l	95
57) 1,3-Dichloropropane	9.311	76	82895	51.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	177944	234.954	ug/l	99
59) 2-Hexanone	9.433	43	256897	248.744	ug/l	98
60) Dibromochloromethane	9.525	129	51391	53.655	ug/l	100
61) 1,2-Dibromoethane	9.610	107	51003	51.858	ug/l	100
64) Tetrachloroethene	9.275	164	58370	45.422	ug/l	96
65) Chlorobenzene	10.079	112	131028	49.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	48208	49.525	ug/l	99
67) Ethyl Benzene	10.195	91	236425	50.482	ug/l	100
68) m/p-Xylenes	10.305	106	181118	100.515	ug/l	98
69) o-Xylene	10.640	106	90659	51.347	ug/l	97
70) Styrene	10.659	104	150788	52.657	ug/l	98
71) Bromoform	10.799	173	35659	47.402	ug/l #	99
73) Isopropylbenzene	10.963	105	234652	48.515	ug/l	99
74) N-amyl acetate	10.842	43	93410	48.335	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	63482	48.365	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	64884m	48.271	ug/l	
77) Bromobenzene	11.201	156	56900	49.492	ug/l	95
78) n-propylbenzene	11.305	91	270068	50.368	ug/l	99
79) 2-Chlorotoluene	11.366	91	161572	48.769	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	197778	49.684	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	19235	45.100	ug/l	94
82) 4-Chlorotoluene	11.457	91	185258	49.846	ug/l	97
83) tert-Butylbenzene	11.713	119	183293	48.311	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	204724	50.988	ug/l	98
85) sec-Butylbenzene	11.890	105	242239	50.370	ug/l	99
86) p-Isopropyltoluene	12.012	119	206347	50.647	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	105035	49.858	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	105414	49.617	ug/l	98
89) n-Butylbenzene	12.335	91	174305	52.290	ug/l	99
90) Hexachloroethane	12.542	117	31851	54.090	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	103156	50.748	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14842	45.982	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	64626	50.377	ug/l	99
94) Hexachlorobutadiene	13.725	225	26449	48.743	ug/l	99
95) Naphthalene	13.774	128	220714	49.118	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	62749	48.306	ug/l	98

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

