

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027044.D
 Acq On : 16 Feb 2022 11:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 17 07:08:25 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	91336	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	143965	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	131588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52892	48.242	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.480%		
35) Dibromofluoromethane	5.385	113	43251	50.426	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.860%		
50) Toluene-d8	8.647	98	160917	51.110	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.220%		
62) 4-Bromofluorobenzene	11.079	95	60194	54.304	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	49396	49.737	ug/l	100
3) Chloromethane	1.294	50	44788	48.477	ug/l	100
4) Vinyl Chloride	1.380	62	45984	47.545	ug/l	100
5) Bromomethane	1.611	94	18390	44.810	ug/l	94
6) Chloroethane	1.691	64	27325	52.102	ug/l	99
7) Trichlorofluoromethane	1.892	101	69403	48.763	ug/l	98
8) Diethyl Ether	2.136	74	24412	46.303	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	46977	50.355	ug/l	99
10) Methyl Iodide	2.453	142	58001	45.058	ug/l	97
11) Tert butyl alcohol	2.983	59	34597	174.672	ug/l #	90
12) 1,1-Dichloroethene	2.325	96	43367	46.394	ug/l	93
13) Acrolein	2.233	56	44254	241.771	ug/l	98
14) Allyl chloride	2.666	41	79698	48.134	ug/l	96
15) Acrylonitrile	3.062	53	128295	226.035	ug/l	98
16) Acetone	2.374	43	151413	314.431	ug/l	97
17) Carbon Disulfide	2.514	76	113175	42.770	ug/l	99
18) Methyl Acetate	2.703	43	59225	42.746	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	150859	45.596	ug/l	99
20) Methylene Chloride	2.794	84	48853	46.821	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	47399	48.188	ug/l	95
22) Diisopropyl ether	3.757	45	158787	47.633	ug/l	98
23) Vinyl Acetate	3.721	43	661179	235.906	ug/l	98
24) 1,1-Dichloroethane	3.611	63	87226	48.356	ug/l	99
25) 2-Butanone	4.550	43	195879	252.471	ug/l	99
26) 2,2-Dichloropropane	4.471	77	65493	53.737	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	55429	49.080	ug/l	97
28) Bromochloromethane	4.898	49	36524	48.846	ug/l	97
29) Tetrahydrofuran	4.995	42	114087	216.300	ug/l	99
30) Chloroform	5.093	83	89375	47.689	ug/l	99
31) Cyclohexane	5.471	56	81484	46.773	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	78996	47.808	ug/l	100
36) 1,1-Dichloropropene	5.690	75	67514	49.896	ug/l	98
37) Ethyl Acetate	4.702	43	68313	44.424	ug/l	98
38) Carbon Tetrachloride	5.678	117	71049	50.073	ug/l	99
39) Methylcyclohexane	7.379	83	84945	51.191	ug/l	97
40) Benzene	6.038	78	194462	49.311	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	38927	46.707	ug/l	95
42) 1,2-Dichloroethane	6.086	62	70530	50.754	ug/l	99
43) Isopropyl Acetate	6.336	43	110770	46.817	ug/l	98
44) Trichloroethene	7.123	130	57791	48.806	ug/l	96
45) 1,2-Dichloropropane	7.428	63	49663	49.774	ug/l	98
46) Dibromomethane	7.580	93	34496	49.965	ug/l	98
47) Bromodichloromethane	7.818	83	70058	52.988	ug/l	98
48) Methyl methacrylate	7.690	41	55524	47.362	ug/l	97
49) 1,4-Dioxane	7.665	88	15966	790.335	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	347103	242.092	ug/l	98
52) Toluene	8.720	92	125265	50.171	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	70827	49.499	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	79745	54.622	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	50024	52.923	ug/l	98
56) Ethyl methacrylate	9.116	69	76690	51.184	ug/l	97
57) 1,3-Dichloropropane	9.305	76	83906	51.694	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	181141	235.542	ug/l	98
59) 2-Hexanone	9.427	43	267147	254.739	ug/l	98
60) Dibromochloromethane	9.519	129	54790	56.335	ug/l	99
61) 1,2-Dibromoethane	9.610	107	51882	51.951	ug/l	100
64) Tetrachloroethene	9.275	164	61638	46.639	ug/l	95
65) Chlorobenzene	10.079	112	135991	49.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	50504	50.449	ug/l	100
67) Ethyl Benzene	10.195	91	242106	50.266	ug/l	99
68) m/p-Xylenes	10.299	106	186401	100.587	ug/l	98
69) o-Xylene	10.640	106	90858	50.037	ug/l	97
70) Styrene	10.659	104	153055	51.970	ug/l	98
71) Bromoform	10.799	173	37500	48.429	ug/l #	99
73) Isopropylbenzene	10.963	105	241565	49.247	ug/l	99
74) N-amyl acetate	10.842	43	89552	45.691	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	62558	46.996	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	64830m	47.557	ug/l	
77) Bromobenzene	11.195	156	56642	48.579	ug/l	96
78) n-propylbenzene	11.305	91	278667	51.245	ug/l	99
79) 2-Chlorotoluene	11.366	91	165009	49.111	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	201780	49.982	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19939	46.022	ug/l	94
82) 4-Chlorotoluene	11.457	91	187774	49.817	ug/l	97
83) tert-Butylbenzene	11.713	119	185947	48.326	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	200848	49.324	ug/l	99
85) sec-Butylbenzene	11.890	105	250876	51.437	ug/l	99
86) p-Isopropyltoluene	12.012	119	212954	51.538	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	106565	49.878	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	106552	49.452	ug/l	98
89) n-Butylbenzene	12.335	91	185657	54.917	ug/l	99
90) Hexachloroethane	12.542	117	33909	56.780	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	101434	49.204	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14765	45.105	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	68060	52.313	ug/l	100
94) Hexachlorobutadiene	13.725	225	29123	52.921	ug/l	98
95) Naphthalene	13.774	128	218940	48.042	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	65481	49.705	ug/l	99

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

