

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027654.D
 Acq On : 23 Mar 2022 08:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 23 08:45:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	266112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	464881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	431525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	213075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189486	57.801	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 115.600%			
35) Dibromofluoromethane	5.391	113	161645	54.045	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.080%			
50) Toluene-d8	8.653	98	563349	49.774	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.540%			
62) 4-Bromofluorobenzene	11.085	95	210781	50.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	95032	37.204	ug/l	99
3) Chloromethane	1.295	50	110979	48.944	ug/l	97
4) Vinyl Chloride	1.374	62	121753	46.472	ug/l	99
5) Bromomethane	1.599	94	58769	43.094	ug/l	98
6) Chloroethane	1.673	64	81543	50.720	ug/l	99
7) Trichlorofluoromethane	1.880	101	166675	38.539	ug/l	97
8) Diethyl Ether	2.136	74	89093	55.304	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	97819	37.982	ug/l	94
10) Methyl Iodide	2.453	142	156186	45.814	ug/l	100
11) Tert butyl alcohol	2.971	59	151283	242.143	ug/l	99
12) 1,1-Dichloroethene	2.319	96	118905	48.120	ug/l	93
13) Acrolein	2.240	56	132365	273.018	ug/l	98
14) Allyl chloride	2.660	41	192161	49.696	ug/l	96
15) Acrylonitrile	3.069	53	395968	278.775	ug/l	99
16) Acetone	2.380	43	357509	267.550	ug/l	93
17) Carbon Disulfide	2.508	76	269992	42.940	ug/l	100
18) Methyl Acetate	2.703	43	182037	56.843	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	446249	53.526	ug/l	99
20) Methylene Chloride	2.788	84	153825	53.543	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	132718	50.351	ug/l	94
22) Diisopropyl ether	3.764	45	436293	57.777	ug/l #	90
23) Vinyl Acetate	3.721	43	1917311	291.964	ug/l	97
24) 1,1-Dichloroethane	3.611	63	255264	55.580	ug/l	100
25) 2-Butanone	4.562	43	575727	286.376	ug/l	100
26) 2,2-Dichloropropane	4.477	77	115899	30.903	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	172065	56.289	ug/l	92
28) Bromochloromethane	4.904	49	109883	59.311	ug/l	91
29) Tetrahydrofuran	5.007	42	379237	294.056	ug/l	93
30) Chloroform	5.099	83	284064	56.070	ug/l	98
31) Cyclohexane	5.471	56	157737	38.749	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	227030	49.219	ug/l	99
36) 1,1-Dichloropropene	5.696	75	174814	42.770	ug/l	98
37) Ethyl Acetate	4.721	43	221369	54.353	ug/l	99
38) Carbon Tetrachloride	5.684	117	191471	40.947	ug/l	98
39) Methylcyclohexane	7.385	83	159522	31.036	ug/l	97
40) Benzene	6.044	78	585150	49.901	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	121719	54.799	ug/l	95
42) 1,2-Dichloroethane	6.092	62	227290	51.719	ug/l	98
43) Isopropyl Acetate	6.342	43	344971	52.628	ug/l	97
44) Trichloroethene	7.129	130	165176	46.402	ug/l	98
45) 1,2-Dichloropropane	7.434	63	151739	50.803	ug/l	98
46) Dibromomethane	7.580	93	117286	51.405	ug/l	98
47) Bromodichloromethane	7.824	83	217562	50.642	ug/l	99
48) Methyl methacrylate	7.696	41	173225	53.400	ug/l	91
49) 1,4-Dioxane	7.659	88	83496	1002.133	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1119003	267.431	ug/l	96
52) Toluene	8.720	92	383067	48.749	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	211747	48.023	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	232151	48.377	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	168935	52.801	ug/l	98
56) Ethyl methacrylate	9.116	69	254956	53.260	ug/l	91
57) 1,3-Dichloropropane	9.311	76	270378	52.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	615256	253.905	ug/l	98
59) 2-Hexanone	9.433	43	861357	267.280	ug/l	92
60) Dibromochloromethane	9.525	129	180179	51.158	ug/l	97
61) 1,2-Dibromoethane	9.610	107	180438	51.311	ug/l	97
64) Tetrachloroethene	9.275	164	145241	43.288	ug/l	96
65) Chlorobenzene	10.080	112	427191	48.124	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	165253	49.896	ug/l	99
67) Ethyl Benzene	10.195	91	708376	46.621	ug/l	97
68) m/p-Xylenes	10.305	106	563169	94.134	ug/l	99
69) o-Xylene	10.647	106	285796	49.201	ug/l	99
70) Styrene	10.659	104	478855	50.464	ug/l	99
71) Bromoform	10.805	173	131477	49.691	ug/l	99
73) Isopropylbenzene	10.964	105	692383	44.613	ug/l	100
74) N-amyl acetate	10.842	43	284998	51.789	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	250974	51.051	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	227787m	51.110	ug/l	
77) Bromobenzene	11.201	156	196319	50.185	ug/l	93
78) n-propylbenzene	11.305	91	753455	44.225	ug/l	98
79) 2-Chlorotoluene	11.366	91	496169	46.427	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	601345	46.037	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	58621	39.946	ug/l #	86
82) 4-Chlorotoluene	11.457	91	567967	46.676	ug/l	98
83) tert-Butylbenzene	11.720	119	581381	44.929	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	617575	47.408	ug/l	99
85) sec-Butylbenzene	11.890	105	656998	42.015	ug/l	99
86) p-Isopropyltoluene	12.012	119	582816	43.392	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	345736	47.701	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	351353	47.908	ug/l	98
89) n-Butylbenzene	12.335	91	447041	39.883	ug/l	97
90) Hexachloroethane	12.543	117	88353	41.249	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	350430	49.516	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	57661	51.139	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	206868	45.605	ug/l	99
94) Hexachlorobutadiene	13.725	225	69949	34.909	ug/l	94
95) Naphthalene	13.780	128	765760	51.857	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211420	46.076	ug/l	95

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

