

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033877.D
 Acq On : 24 Jan 2023 19:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2023
 Supervised By : Mahesh Dadoda 01/26/2023

Quant Time: Jan 25 03:21:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	158373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81143	48.661	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.320%		
35) Dibromofluoromethane	5.385	113	74929	54.174	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.340%		
50) Toluene-d8	8.647	98	269269	53.432	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.860%		
62) 4-Bromofluorobenzene	11.079	95	102945	55.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	59253	47.344	ug/l	99
3) Chloromethane	1.295	50	71707	51.871	ug/l	98
4) Vinyl Chloride	1.374	62	71048	52.957	ug/l	99
5) Bromomethane	1.618	94	44031	57.120	ug/l	98
6) Chloroethane	1.691	64	35853	43.226	ug/l	99
7) Trichlorofluoromethane	1.886	101	109884	50.505	ug/l	97
8) Diethyl Ether	2.130	74	44973	63.129	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	67572	53.836	ug/l	94
10) Methyl Iodide	2.453	142	97104	55.200	ug/l	91
11) Tert butyl alcohol	3.008	59	67997m	234.731	ug/l	
12) 1,1-Dichloroethene	2.319	96	65754	51.026	ug/l	90
13) Acrolein	2.239	56	75149	281.166	ug/l	99
14) Allyl chloride	2.666	41	116440	47.907	ug/l	89
15) Acrylonitrile	3.069	53	194673	255.351	ug/l	99
16) Acetone	2.392	43	161921	268.090	ug/l	90
17) Carbon Disulfide	2.514	76	146609	45.139	ug/l	100
18) Methyl Acetate	2.703	43	120625	51.833	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	225134	50.302	ug/l	100
20) Methylene Chloride	2.788	84	76050	52.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	71125	47.213	ug/l	96
22) Diisopropyl ether	3.758	45	237204	48.506	ug/l	95
23) Vinyl Acetate	3.721	43	906445	246.228	ug/l	98
24) 1,1-Dichloroethane	3.611	63	128098	47.878	ug/l	99
25) 2-Butanone	4.562	43	263460	241.810	ug/l	94
26) 2,2-Dichloropropane	4.477	77	90147	47.038	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	85002	49.079	ug/l	97
28) Bromochloromethane	4.898	49	57019	46.786	ug/l	95
29) Tetrahydrofuran	5.007	42	169626	247.018	ug/l	97
30) Chloroform	5.093	83	133821	48.835	ug/l	98
31) Cyclohexane	5.471	56	109917	44.795	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	113317	48.434	ug/l	99
36) 1,1-Dichloropropene	5.690	75	95715	47.417	ug/l	98
37) Ethyl Acetate	4.715	43	102221	53.258	ug/l	99
38) Carbon Tetrachloride	5.678	117	104067	49.776	ug/l	97
39) Methylcyclohexane	7.379	83	116478	46.725	ug/l	98
40) Benzene	6.038	78	293635	49.906	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	60217	54.133	ug/l	98
42) 1,2-Dichloroethane	6.086	62	100587	48.241	ug/l	98
43) Isopropyl Acetate	6.336	43	163347	51.259	ug/l	97
44) Trichloroethene	7.123	130	86435	52.534	ug/l	98
45) 1,2-Dichloropropane	7.434	63	75281	51.076	ug/l	97
46) Dibromomethane	7.580	93	53503	51.970	ug/l	97
47) Bromodichloromethane	7.824	83	104082	52.460	ug/l	97
48) Methyl methacrylate	7.690	41	83519	52.028	ug/l	96
49) 1,4-Dioxane	7.714	88	33670	948.229	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	521908	266.672	ug/l	99
52) Toluene	8.720	92	194060	51.074	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	106885	53.869	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	120216	54.072	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	80496	53.521	ug/l	97
56) Ethyl methacrylate	9.116	69	119057	56.248	ug/l	96
57) 1,3-Dichloropropane	9.305	76	130629	53.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	269344	258.381	ug/l	99
59) 2-Hexanone	9.433	43	379161	278.347	ug/l	98
60) Dibromochloromethane	9.519	129	90130	57.803	ug/l	99
61) 1,2-Dibromoethane	9.610	107	85198	56.761	ug/l	99
64) Tetrachloroethene	9.275	164	78945	55.840	ug/l	98
65) Chlorobenzene	10.080	112	217281	52.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	84034	54.754	ug/l	99
67) Ethyl Benzene	10.195	91	370273	51.713	ug/l	99
68) m/p-Xylenes	10.299	106	298010	106.409	ug/l	97
69) o-Xylene	10.640	106	146909	52.895	ug/l	98
70) Styrene	10.653	104	247385	54.768	ug/l	100
71) Bromoform	10.799	173	72795	56.603	ug/l	99
73) Isopropylbenzene	10.964	105	380977	53.164	ug/l	99
74) N-amyl acetate	10.842	43	143528	50.040	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	115000	55.065	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	94735m	47.204	ug/l	
77) Bromobenzene	11.195	156	104994	54.334	ug/l	98
78) n-propylbenzene	11.305	91	429242	48.159	ug/l	99
79) 2-Chlorotoluene	11.366	91	252917	52.686	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	321025	48.842	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	33685	52.164	ug/l	96
82) 4-Chlorotoluene	11.451	91	289827	52.755	ug/l	98
83) tert-Butylbenzene	11.713	119	329459	50.484	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	321085	51.643	ug/l	99
85) sec-Butylbenzene	11.890	105	399439	51.173	ug/l	99
86) p-Isopropyltoluene	12.006	119	347570	52.009	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	190285	51.557	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	188183	50.052	ug/l	99
89) n-Butylbenzene	12.329	91	279254	51.078	ug/l	100
90) Hexachloroethane	12.536	117	58096	52.849	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	186005	52.227	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23027	51.662	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	130638	54.455	ug/l	99
94) Hexachlorobutadiene	13.725	225	60995	51.904	ug/l	99
95) Naphthalene	13.774	128	374154	54.210	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	129334	53.878	ug/l	100

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

