

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033860.D
 Acq On : 23 Jan 2023 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2023
 Supervised By : Mahesh Dadoda 01/27/2023

Quant Time: Jan 24 00:47:25 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	178339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86789	46.220	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.440%		
35) Dibromofluoromethane	5.385	113	81221	51.068	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.140%		
50) Toluene-d8	8.647	98	285943	49.344	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.680%		
62) 4-Bromofluorobenzene	11.079	95	105365	48.972	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	62240	44.163	ug/l	100
3) Chloromethane	1.295	50	74888	48.107	ug/l	98
4) Vinyl Chloride	1.374	62	74540	49.339	ug/l	99
5) Bromomethane	1.618	94	45213	52.087	ug/l	98
6) Chloroethane	1.691	64	36628	39.216	ug/l	100
7) Trichlorofluoromethane	1.886	101	110770	45.212	ug/l	97
8) Diethyl Ether	2.130	74	45211	56.358	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	68737	48.702	ug/l	94
10) Methyl Iodide	2.453	142	98479	49.714	ug/l	92
11) Tert butyl alcohol	3.008	59	74425m	228.158	ug/l	
12) 1,1-Dichloroethene	2.319	96	67916	46.803	ug/l	90
13) Acrolein	2.240	56	58145	193.191	ug/l	99
14) Allyl chloride	2.666	41	122045	44.592	ug/l	89
15) Acrylonitrile	3.069	53	196675	229.095	ug/l	99
16) Acetone	2.392	43	159044	232.181	ug/l	92
17) Carbon Disulfide	2.514	76	167294	45.716	ug/l	98
18) Methyl Acetate	2.703	43	122059	46.577	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	235273	46.682	ug/l	99
20) Methylene Chloride	2.788	84	82267	50.408	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	73990	43.616	ug/l	96
22) Diisopropyl ether	3.758	45	244838	44.462	ug/l	98
23) Vinyl Acetate	3.721	43	949836	229.128	ug/l	98
24) 1,1-Dichloroethane	3.611	63	133280	44.238	ug/l	98
25) 2-Butanone	4.562	43	260989	212.724	ug/l	96
26) 2,2-Dichloropropane	4.477	77	88955	41.219	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	88782	45.522	ug/l	96
28) Bromochloromethane	4.904	49	64492	46.994	ug/l	94
29) Tetrahydrofuran	5.007	42	173363	224.196	ug/l	98
30) Chloroform	5.093	83	136516	44.241	ug/l	98
31) Cyclohexane	5.471	56	116922	42.315	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	119361	45.305	ug/l	98
36) 1,1-Dichloropropene	5.690	75	98088	42.257	ug/l	98
37) Ethyl Acetate	4.715	43	105822	47.644	ug/l	99
38) Carbon Tetrachloride	5.678	117	110534	45.977	ug/l	97
39) Methylcyclohexane	7.379	83	119570	41.713	ug/l	98
40) Benzene	6.038	78	304541	45.012	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61517	48.093	ug/l	96
42) 1,2-Dichloroethane	6.086	62	103846	43.311	ug/l	98
43) Isopropyl Acetate	6.342	43	169011	46.122	ug/l	98
44) Trichloroethene	7.129	130	90197	47.674	ug/l	92
45) 1,2-Dichloropropane	7.428	63	77734	45.865	ug/l	96
46) Dibromomethane	7.580	93	54880	46.358	ug/l	97
47) Bromodichloromethane	7.818	83	108110	47.386	ug/l	99
48) Methyl methacrylate	7.690	41	87069	47.168	ug/l	97
49) 1,4-Dioxane	7.714	88	37810	926.005	ug/l #	98
51) 4-Methyl-2-Pentanone	8.574	43	521686	231.808	ug/l	98
52) Toluene	8.720	92	198241	45.372	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	111786	48.995	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	123770	48.413	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	81170	46.933	ug/l	97
56) Ethyl methacrylate	9.116	69	121647	49.979	ug/l	96
57) 1,3-Dichloropropane	9.305	76	132724	47.327	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	294675	245.829	ug/l	98
59) 2-Hexanone	9.433	43	379045	241.986	ug/l	98
60) Dibromochloromethane	9.519	129	94227	52.552	ug/l	100
61) 1,2-Dibromoethane	9.610	107	85602	49.595	ug/l	99
64) Tetrachloroethene	9.275	164	79979	50.275	ug/l	98
65) Chlorobenzene	10.080	112	218129	46.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	86337	50.145	ug/l	99
67) Ethyl Benzene	10.195	91	372875	46.420	ug/l	99
68) m/p-Xylenes	10.299	106	295991	94.209	ug/l	99
69) o-Xylene	10.640	106	145981	46.852	ug/l	99
70) Styrene	10.653	104	243944	48.141	ug/l	100
71) Bromoform	10.799	173	76436	52.979	ug/l #	100
73) Isopropylbenzene	10.964	105	375514	47.896	ug/l	99
74) N-amyl acetate	10.842	43	145348	46.559	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.214	83	114583	50.105	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	105371m	48.240	ug/l	
77) Bromobenzene	11.195	156	102356	48.418	ug/l	98
78) n-propylbenzene	11.305	91	419255	43.218	ug/l	99
79) 2-Chlorotoluene	11.366	91	248297	47.213	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	313811	43.868	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34960	49.742	ug/l	93
82) 4-Chlorotoluene	11.451	91	284699	47.305	ug/l	98
83) tert-Butylbenzene	11.713	119	323329	45.521	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	314386	46.460	ug/l	100
85) sec-Butylbenzene	11.890	105	389974	45.903	ug/l	100
86) p-Isopropyltoluene	12.006	119	337351	46.381	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	184569	45.947	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	186085	45.475	ug/l	100
89) n-Butylbenzene	12.329	91	266677	44.817	ug/l	99
90) Hexachloroethane	12.536	117	60439	50.515	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	182468	47.073	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23737	48.930	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	127335	48.768	ug/l	100
94) Hexachlorobutadiene	13.725	225	58073	45.405	ug/l	99
95) Naphthalene	13.774	128	372114	49.537	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	125447	48.015	ug/l	99

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

