

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037817.D
 Acq On : 19 Sep 2023 19:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/20/2023
 Supervised By : Mahesh Dadoda 09/20/2023

Quant Time: Sep 20 01:09:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	255614	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	418504	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	229671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	167301	49.816	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.640%		
35) Dibromofluoromethane	5.391	113	146510	52.321	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.640%		
50) Toluene-d8	8.653	98	544153	52.299	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.600%		
62) 4-Bromofluorobenzene	11.079	95	209056	55.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	119369	44.305	ug/l	99
3) Chloromethane	1.301	50	129595	44.208	ug/l	98
4) Vinyl Chloride	1.374	62	143710	45.441	ug/l	98
5) Bromomethane	1.599	94	129620	57.251	ug/l	100
6) Chloroethane	1.685	64	95448	43.810	ug/l	97
7) Trichlorofluoromethane	1.886	101	238588	46.926	ug/l	97
8) Diethyl Ether	2.136	74	90185	45.783	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	117237	45.435	ug/l	94
10) Methyl Iodide	2.453	142	160808	47.093	ug/l	91
11) Tert butyl alcohol	2.959	59	161645	224.237	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	119980	48.113	ug/l	84
13) Acrolein	2.233	56	180470	253.415	ug/l	98
14) Allyl chloride	2.666	41	184116	44.329	ug/l	# 95
15) Acrylonitrile	3.062	53	356523	222.444	ug/l	99
16) Acetone	2.380	43	287945	178.229	ug/l	# 88
17) Carbon Disulfide	2.514	76	281070	44.955	ug/l	100
18) Methyl Acetate	2.703	43	256657	44.038	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	430060	46.881	ug/l	98
20) Methylene Chloride	2.788	84	144154	48.261	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	133743	48.299	ug/l	92
22) Diisopropyl ether	3.763	45	406306	46.964	ug/l	# 86
23) Vinyl Acetate	3.721	43	1493214	234.651	ug/l	# 94
24) 1,1-Dichloroethane	3.611	63	240063	46.306	ug/l	98
25) 2-Butanone	4.556	43	465032	203.974	ug/l	# 89
26) 2,2-Dichloropropane	4.477	77	149172	35.610	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	160760	47.355	ug/l	87
28) Bromochloromethane	4.897	49	110036	45.497	ug/l	# 80
29) Tetrahydrofuran	5.007	42	305418	215.369	ug/l	88
30) Chloroform	5.099	83	263377	47.160	ug/l	98
31) Cyclohexane	5.471	56	199759	46.343	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	230198	48.681	ug/l	97
36) 1,1-Dichloropropene	5.696	75	186055	48.232	ug/l	96
37) Ethyl Acetate	4.715	43	192368	45.362	ug/l	97
38) Carbon Tetrachloride	5.678	117	196992	48.808	ug/l	98
39) Methylcyclohexane	7.385	83	226825	46.331	ug/l	92
40) Benzene	6.044	78	562106	47.386	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	99275	45.912	ug/l #	89
42) 1,2-Dichloroethane	6.092	62	200065	46.664	ug/l	96
43) Isopropyl Acetate	6.342	43	314818	46.427	ug/l #	94
44) Trichloroethene	7.129	130	154591	46.797	ug/l	97
45) 1,2-Dichloropropane	7.434	63	146500	47.556	ug/l	98
46) Dibromomethane	7.580	93	107342	48.440	ug/l	92
47) Bromodichloromethane	7.824	83	199173	48.803	ug/l	97
48) Methyl methacrylate	7.696	41	151111	46.617	ug/l #	87
49) 1,4-Dioxane	7.659	88	75018	882.746	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	975995	226.857	ug/l	94
52) Toluene	8.720	92	364682	47.703	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	209984	49.207	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	226067	47.867	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	154868	48.048	ug/l	96
56) Ethyl methacrylate	9.116	69	231965	48.207	ug/l	91
57) 1,3-Dichloropropane	9.311	76	247372	47.428	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	543016	241.674	ug/l	98
59) 2-Hexanone	9.433	43	746058	222.722	ug/l	93
60) Dibromochloromethane	9.525	129	162673	50.662	ug/l	99
61) 1,2-Dibromoethane	9.610	107	168243	49.300	ug/l	100
64) Tetrachloroethene	9.275	164	134888	49.336	ug/l	97
65) Chlorobenzene	10.079	112	406335	46.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	152014	49.605	ug/l	99
67) Ethyl Benzene	10.195	91	721941	48.153	ug/l	99
68) m/p-Xylenes	10.305	106	566712	97.821	ug/l	96
69) o-Xylene	10.640	106	278100	47.870	ug/l	97
70) Styrene	10.652	104	468031	50.183	ug/l	96
71) Bromoform	10.799	173	124062	51.247	ug/l #	99
73) Isopropylbenzene	10.963	105	732562	43.476	ug/l	99
74) N-amyl acetate	10.841	43	300492	44.035	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	250890	42.337	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	218537m	41.140	ug/l	
77) Bromobenzene	11.195	156	184677	44.281	ug/l	88
78) n-propylbenzene	11.305	91	868064	45.617	ug/l	99
79) 2-Chlorotoluene	11.366	91	513887	43.798	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	634107	44.562	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	67889	40.939	ug/l	89
82) 4-Chlorotoluene	11.457	91	598216	45.287	ug/l	96
83) tert-Butylbenzene	11.713	119	643642	44.755	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	641682	45.324	ug/l	97
85) sec-Butylbenzene	11.890	105	806365	46.216	ug/l	99
86) p-Isopropyltoluene	12.012	119	678395	46.668	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	357559	45.993	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	362382	45.552	ug/l	98
89) n-Butylbenzene	12.335	91	631261	49.571	ug/l	97
90) Hexachloroethane	12.536	117	116297	47.218	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	360419	45.408	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	51246	43.383	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	237786	50.858	ug/l	97
94) Hexachlorobutadiene	13.725	225	103526	47.415	ug/l	98
95) Naphthalene	13.774	128	752519	47.590	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	231241	48.060	ug/l	98

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

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