

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037541.D
 Acq On : 06 Sep 2023 08:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/06/2023
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 09:19:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	113238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208407	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73715	45.154	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.300%		
35) Dibromofluoromethane	5.385	113	66933	48.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	8.647	98	227132	45.366	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.740%#		
62) 4-Bromofluorobenzene	11.079	95	94611	48.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	58440	44.428	ug/l	99
3) Chloromethane	1.300	50	66333	57.642	ug/l	95
4) Vinyl Chloride	1.374	62	66741	53.281	ug/l	99
5) Bromomethane	1.599	94	29133	46.691	ug/l	98
6) Chloroethane	1.672	64	38580	52.339	ug/l	96
7) Trichlorofluoromethane	1.880	101	98087	47.803	ug/l	99
8) Diethyl Ether	2.136	74	46810	58.966	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.325	101	57806	48.291	ug/l	96
10) Methyl Iodide	2.447	142	89088	61.235	ug/l	91
11) Tert butyl alcohol	2.971	59	109752	286.593	ug/l #	93
12) 1,1-Dichloroethene	2.312	96	59908	51.394	ug/l	83
13) Acrolein	2.233	56	26076	89.507	ug/l	98
14) Allyl chloride	2.660	41	90852	50.354	ug/l #	86
15) Acrylonitrile	3.062	53	220400	322.447	ug/l	98
16) Acetone	2.380	43	181517	284.215	ug/l #	84
17) Carbon Disulfide	2.508	76	125641	42.374	ug/l	99
18) Methyl Acetate	2.703	43	147749	61.442	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	260787	58.989	ug/l	97
20) Methylene Chloride	2.788	84	83007	58.118	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	68470	51.672	ug/l	88
22) Diisopropyl ether	3.763	45	217061	58.627	ug/l #	79
23) Vinyl Acetate	3.721	43	777261	273.955	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	133170	57.358	ug/l	96
25) 2-Butanone	4.556	43	282166	293.424	ug/l #	85
26) 2,2-Dichloropropane	4.471	77	40602	19.582	ug/l	83
27) cis-1,2-Dichloroethene	4.489	96	89701	57.421	ug/l	80
28) Bromochloromethane	4.903	49	59963	57.814	ug/l #	69
29) Tetrahydrofuran	5.007	42	180245	293.912	ug/l #	81
30) Chloroform	5.092	83	148168	56.850	ug/l	98
31) Cyclohexane	5.464	56	85964	46.831	ug/l	87
32) 1,1,1-Trichloroethane	5.385	97	121388	51.974	ug/l	95
36) 1,1-Dichloropropene	5.690	75	89668	45.727	ug/l	97
37) Ethyl Acetate	4.714	43	106718	53.276	ug/l #	91
38) Carbon Tetrachloride	5.678	117	100993	47.412	ug/l	99
39) Methylcyclohexane	7.379	83	96308	46.746	ug/l	88
40) Benzene	6.037	78	304827	54.202	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57271	54.999	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	109631	49.709	ug/l	92
43) Isopropyl Acetate	6.342	43	170589	53.641	ug/l #	88
44) Trichloroethene	7.123	130	79653	49.948	ug/l	96
45) 1,2-Dichloropropane	7.433	63	79467	57.307	ug/l	98
46) Dibromomethane	7.580	93	59663	54.616	ug/l	91
47) Bromodichloromethane	7.824	83	115372	55.139	ug/l	97
48) Methyl methacrylate	7.696	41	83372	53.757	ug/l #	79
49) 1,4-Dioxane	7.659	88	50290	1204.016	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	560445	290.222	ug/l	88
52) Toluene	8.720	92	199187	53.605	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	104738	47.012	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	115844	48.117	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	91362	60.381	ug/l	98
56) Ethyl methacrylate	9.116	69	140292	59.194	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	146701	57.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	307006	269.928	ug/l	91
59) 2-Hexanone	9.433	43	430633	292.469	ug/l	84
60) Dibromochloromethane	9.518	129	96325	59.793	ug/l	99
61) 1,2-Dibromoethane	9.610	107	93669	56.542	ug/l	99
64) Tetrachloroethene	9.275	164	68819	48.504	ug/l	96
65) Chlorobenzene	10.079	112	220386	53.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	88506	58.337	ug/l	99
67) Ethyl Benzene	10.195	91	377328	52.166	ug/l	99
68) m/p-Xylenes	10.299	106	295982	105.963	ug/l	96
69) o-Xylene	10.640	106	154218	55.960	ug/l	95
70) Styrene	10.652	104	258227	56.883	ug/l	95
71) Bromoform	10.799	173	71149	62.695	ug/l #	100
73) Isopropylbenzene	10.963	105	380175	51.461	ug/l	98
74) N-amyl acetate	10.841	43	153277	53.397	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	148091	59.523	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	115821m	53.508	ug/l	
77) Bromobenzene	11.201	156	96714	53.604	ug/l	91
78) n-propylbenzene	11.305	91	420366	51.101	ug/l	99
79) 2-Chlorotoluene	11.366	91	275270	52.364	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	328627	53.327	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31263	40.340	ug/l	86
82) 4-Chlorotoluene	11.457	91	308450	50.831	ug/l	97
83) tert-Butylbenzene	11.713	119	325965	55.463	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	333355	53.524	ug/l	97
85) sec-Butylbenzene	11.890	105	388993	56.665	ug/l	98
86) p-Isopropyltoluene	12.012	119	329758	55.801	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	179075	53.013	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	179089	51.316	ug/l	99
89) n-Butylbenzene	12.329	91	261984	53.472	ug/l	99
90) Hexachloroethane	12.536	117	60621	61.460	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	187788	56.772	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32933	56.968	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	108690	56.158	ug/l	97
94) Hexachlorobutadiene	13.725	225	42089	56.292	ug/l	98
95) Naphthalene	13.774	128	420031	49.544	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	113259	58.901	ug/l	98

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

