

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037355.D
 Acq On : 29 Aug 2023 20:56
 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 08/30/2023
 Supervised By : Mahesh Dadoda 08/31/2023

Quant Time: Aug 30 02:10:43 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	5.556	168	97464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198751	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75864	53.991	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.980%			
35) Dibromofluoromethane	5.385	113	62971	47.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.680%			
50) Toluene-d8	8.647	98	207345	43.426	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 86.860%#			
62) 4-Bromofluorobenzene	11.079	95	88464	47.146	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50611	44.703	ug/l	99
3) Chloromethane	1.300	50	64822	65.445	ug/l	98
4) Vinyl Chloride	1.374	62	60512	56.127	ug/l	100
5) Bromomethane	1.593	94	24947	46.454	ug/l	98
6) Chloroethane	1.666	64	37950	59.817	ug/l	99
7) Trichlorofluoromethane	1.874	101	83370	47.207	ug/l	99
8) Diethyl Ether	2.136	74	46342	67.824	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.319	101	44680	43.367	ug/l	97
10) Methyl Iodide	2.447	142	54453	43.486	ug/l	93
11) Tert butyl alcohol	2.977	59	112831	342.318	ug/l #	93
12) 1,1-Dichloroethene	2.312	96	51833	51.663	ug/l	82
13) Acrolein	2.239	56	59048	235.488	ug/l	97
14) Allyl chloride	2.660	41	91117	58.675	ug/l #	90
15) Acrylonitrile	3.068	53	219654	373.365	ug/l	99
16) Acetone	2.386	43	186426	339.144	ug/l #	86
17) Carbon Disulfide	2.508	76	118612	46.478	ug/l	99
18) Methyl Acetate	2.703	43	144169	69.657	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	251876	66.194	ug/l	97
20) Methylene Chloride	2.788	84	79300	64.509	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	63107	55.332	ug/l	87
22) Diisopropyl ether	3.763	45	204483	64.169	ug/l #	81
23) Vinyl Acetate	3.721	43	814444	333.519	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	121445	60.773	ug/l	97
25) 2-Butanone	4.562	43	292167	352.996	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	69676	39.042	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	83395	62.024	ug/l	84
28) Bromochloromethane	4.897	49	55980	62.709	ug/l #	72
29) Tetrahydrofuran	5.007	42	185303	351.063	ug/l #	82
30) Chloroform	5.092	83	138717	61.838	ug/l	97
31) Cyclohexane	5.470	56	70427	44.576	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	107758	53.605	ug/l	96
36) 1,1-Dichloropropene	5.690	75	78084	41.754	ug/l	97
37) Ethyl Acetate	4.714	43	109876	57.518	ug/l #	93
38) Carbon Tetrachloride	5.678	117	85979	42.325	ug/l	99
39) Methylcyclohexane	7.379	83	77363	39.375	ug/l	91
40) Benzene	6.037	78	283214	52.805	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59092	59.504	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	114168	54.281	ug/l	94
43) Isopropyl Acetate	6.342	43	173521	57.214	ug/l #	91
44) Trichloroethene	7.129	130	70123	46.109	ug/l	91
45) 1,2-Dichloropropane	7.427	63	74070	56.010	ug/l	99
46) Dibromomethane	7.580	93	58987	56.620	ug/l	93
47) Bromodichloromethane	7.824	83	110281	55.266	ug/l	97
48) Methyl methacrylate	7.696	41	86039	58.172	ug/l #	83
49) 1,4-Dioxane	7.665	88	52071	1307.223	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	568071	308.463	ug/l	89
52) Toluene	8.720	92	184919	52.183	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	114825	54.044	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	122201	53.223	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	87234	60.454	ug/l	98
56) Ethyl methacrylate	9.116	69	137816	60.975	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	143138	58.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	314557	290.004	ug/l	91
59) 2-Hexanone	9.433	43	437323	311.442	ug/l	86
60) Dibromochloromethane	9.525	129	91491	59.551	ug/l	99
61) 1,2-Dibromoethane	9.610	107	94007	59.503	ug/l	99
64) Tetrachloroethene	9.275	164	52600	36.315	ug/l	99
65) Chlorobenzene	10.079	112	208031	49.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	81331	52.512	ug/l	99
67) Ethyl Benzene	10.195	91	343722	46.549	ug/l	100
68) m/p-Xylenes	10.299	106	267156	93.688	ug/l	98
69) o-Xylene	10.640	106	142529	50.661	ug/l	98
70) Styrene	10.659	104	243522	52.548	ug/l	97
71) Bromoform	10.799	173	66959	57.797	ug/l #	100
73) Isopropylbenzene	10.963	105	327946	44.989	ug/l	98
74) N-amyl acetate	10.841	43	153623	54.237	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	140969	57.423	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	115582m	54.116	ug/l	
77) Bromobenzene	11.195	156	93068	52.277	ug/l	91
78) n-propylbenzene	11.305	91	359763	44.322	ug/l	98
79) 2-Chlorotoluene	11.366	91	250940	48.378	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	289895	47.674	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	36828	48.160	ug/l	88
82) 4-Chlorotoluene	11.457	91	282408	47.165	ug/l	98
83) tert-Butylbenzene	11.713	119	288080	49.676	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	302036	49.148	ug/l	97
85) sec-Butylbenzene	11.890	105	314739	46.465	ug/l	99
86) p-Isopropyltoluene	12.012	119	274833	47.132	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	160382	48.118	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	162738	47.258	ug/l	99
89) n-Butylbenzene	12.335	91	213365	44.134	ug/l	99
90) Hexachloroethane	12.536	117	49373	50.729	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	170962	52.381	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	33817	59.284	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	94663	49.569	ug/l	97
94) Hexachlorobutadiene	13.725	225	30424	41.238	ug/l	98
95) Naphthalene	13.774	128	400296	47.851	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	102063	53.793	ug/l	99

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

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