

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090923\
 Data File : VX037641.D
 Acq On : 09 Sep 2023 20:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/11/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 11 01:30:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 06:38:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	145708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256418	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84115	42.766	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.540%		
35) Dibromofluoromethane	5.385	113	76451	42.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.260%		
50) Toluene-d8	8.647	98	285243	43.363	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	86.720%#		
62) 4-Bromofluorobenzene	11.079	95	109967	44.357	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	73232	49.522	ug/l	98
3) Chloromethane	1.300	50	80163	48.424	ug/l	99
4) Vinyl Chloride	1.374	62	84763	49.704	ug/l	99
5) Bromomethane	1.599	94	36696	48.561	ug/l	95
6) Chloroethane	1.678	64	47628	54.807	ug/l	97
7) Trichlorofluoromethane	1.880	101	122819	52.992	ug/l	100
8) Diethyl Ether	2.136	74	52149	50.623	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	75269	48.555	ug/l	94
10) Methyl Iodide	2.447	142	103545	51.500	ug/l	91
11) Tert butyl alcohol	2.965	59	116638	265.011	ug/l #	95
12) 1,1-Dichloroethene	2.319	96	77008	49.215	ug/l #	80
13) Acrolein	2.233	56	95263	220.154	ug/l	98
14) Allyl chloride	2.660	41	109857	50.069	ug/l #	84
15) Acrylonitrile	3.062	53	240388	250.520	ug/l	97
16) Acetone	2.380	43	182179	225.233	ug/l #	82
17) Carbon Disulfide	2.508	76	183940	46.937	ug/l	98
18) Methyl Acetate	2.703	43	162181	49.421	ug/l #	84
19) Methyl tert-butyl Ether	3.117	73	280445	50.554	ug/l	98
20) Methylene Chloride	2.788	84	93727	50.197	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	85100	48.688	ug/l	83
22) Diisopropyl ether	3.763	45	233703	50.299	ug/l #	78
23) Vinyl Acetate	3.721	43	854734	257.693	ug/l #	87
24) 1,1-Dichloroethane	3.611	63	150770	49.796	ug/l	97
25) 2-Butanone	4.556	43	293525	239.278	ug/l #	83
26) 2,2-Dichloropropane	4.477	77	82922	37.150	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	103038	49.468	ug/l	83
28) Bromochloromethane	4.897	49	67214	50.857	ug/l #	66
29) Tetrahydrofuran	5.001	42	191039	243.092	ug/l #	78
30) Chloroform	5.092	83	162332	49.969	ug/l	98
31) Cyclohexane	5.470	56	118248	49.410	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	141031	50.404	ug/l	94
36) 1,1-Dichloropropene	5.696	75	112165	47.339	ug/l	95
37) Ethyl Acetate	4.714	43	115258	47.444	ug/l #	91
38) Carbon Tetrachloride	5.678	117	121343	49.553	ug/l	99
39) Methylcyclohexane	7.379	83	138248	47.853	ug/l	90
40) Benzene	6.037	78	356306	48.874	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	60040	48.515	ug/l #	83
42) 1,2-Dichloroethane	6.086	62	116884	47.880	ug/l	90
43) Isopropyl Acetate	6.342	43	183154	50.336	ug/l #	87
44) Trichloroethene	7.123	130	96507	48.192	ug/l	95
45) 1,2-Dichloropropane	7.427	63	89365	50.054	ug/l	98
46) Dibromomethane	7.580	93	67228	50.173	ug/l	91
47) Bromodichloromethane	7.824	83	126086	51.496	ug/l	97
48) Methyl methacrylate	7.690	41	88969	51.088	ug/l #	76
49) 1,4-Dioxane	7.659	88	54398	995.555	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	576047	248.927	ug/l #	86
52) Toluene	8.720	92	233616	49.336	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	128993	50.738	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	142650	50.432	ug/l #	80
55) 1,1,2-Trichloroethane	9.153	97	99798	50.690	ug/l	98
56) Ethyl methacrylate	9.116	69	152811	53.271	ug/l #	78
57) 1,3-Dichloropropane	9.311	76	159800	48.703	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	365684	251.959	ug/l	90
59) 2-Hexanone	9.433	43	440757	249.724	ug/l	81
60) Dibromochloromethane	9.525	129	103771	52.937	ug/l	100
61) 1,2-Dibromoethane	9.610	107	106179	50.362	ug/l	99
64) Tetrachloroethene	9.275	164	81328	48.680	ug/l	99
65) Chlorobenzene	10.079	112	257124	49.054	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	96575	51.988	ug/l	99
67) Ethyl Benzene	10.195	91	445805	50.035	ug/l	99
68) m/p-Xylenes	10.299	106	350198	99.915	ug/l	95
69) o-Xylene	10.640	106	177898	51.046	ug/l	95
70) Styrene	10.652	104	296165	52.270	ug/l	95
71) Bromoform	10.799	173	77463	52.084	ug/l #	99
73) Isopropylbenzene	10.963	105	451426	49.709	ug/l	98
74) N-amyl acetate	10.841	43	163128	52.111	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	155878	49.393	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	124048m	43.829	ug/l	
77) Bromobenzene	11.195	156	112373	49.991	ug/l	89
78) n-propylbenzene	11.305	91	506423	50.144	ug/l	98
79) 2-Chlorotoluene	11.366	91	314389	48.993	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	385021	49.985	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	41638	45.417	ug/l #	81
82) 4-Chlorotoluene	11.457	91	356801	49.312	ug/l	96
83) tert-Butylbenzene	11.713	119	396853	51.103	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	392088	50.913	ug/l	96
85) sec-Butylbenzene	11.890	105	471668	50.382	ug/l	98
86) p-Isopropyltoluene	12.006	119	400518	50.516	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	209498	48.983	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	207683	47.733	ug/l	99
89) n-Butylbenzene	12.329	91	324668	49.838	ug/l	98
90) Hexachloroethane	12.536	117	71306	52.926	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	208411	48.919	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33807	50.314	ug/l	72
93) 1,2,4-Trichlorobenzene	13.585	180	125033	48.522	ug/l	97
94) Hexachlorobutadiene	13.725	225	54309	47.746	ug/l	99
95) Naphthalene	13.774	128	458247	50.908	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	128072	48.117	ug/l	97

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

