

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035376.D
 Acq On : 28 Apr 2023 09:13
 Operator : JC/MD
 Sample : 02522-13MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4MSD

Quant Time: Apr 28 11:42:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/28/2023
 Supervised By : Mahesh Dadoda 04/28/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	210638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	341655	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	302991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	121748	47.909	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.820%		
35) Dibromofluoromethane	5.385	113	100885	48.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.220%		
50) Toluene-d8	8.647	98	364442	46.071	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.140%		
62) 4-Bromofluorobenzene	11.079	95	139658	46.931	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	104321	46.806	ug/l	99
3) Chloromethane	1.295	50	92595	45.668	ug/l	99
4) Vinyl Chloride	1.374	62	96163	47.288	ug/l	99
5) Bromomethane	1.618	94	56403	41.731	ug/l	99
6) Chloroethane	1.691	64	56810	47.766	ug/l	97
7) Trichlorofluoromethane	1.892	101	159407	50.126	ug/l	99
8) Diethyl Ether	2.130	74	55407	47.786	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	95196	44.819	ug/l	96
10) Methyl Iodide	2.453	142	116376	43.413	ug/l	97
11) Tert butyl alcohol	2.995	59	100150m	216.444	ug/l	
12) 1,1-Dichloroethene	2.319	96	100072	48.915	ug/l	98
13) Acrolein	2.240	56	109464	240.560	ug/l	98
14) Allyl chloride	2.666	41	168520	46.808	ug/l	97
15) Acrylonitrile	3.063	53	280004	241.951	ug/l	99
16) Acetone	2.386	43	230799	209.115	ug/l	100
17) Carbon Disulfide	2.514	76	240294	48.997	ug/l	98
18) Methyl Acetate	2.703	43	189825	44.477	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	359561	51.229	ug/l	97
20) Methylene Chloride	2.788	84	114885	45.396	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	107318	48.300	ug/l	97
22) Diisopropyl ether	3.758	45	347464	48.771	ug/l	91
23) Vinyl Acetate	3.721	43	1104275	225.495	ug/l	97
24) 1,1-Dichloroethane	3.611	63	200849	50.050	ug/l	99
25) 2-Butanone	4.556	43	364859	226.486	ug/l	94
26) 2,2-Dichloropropane	4.471	77	118013	37.537	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	126699	48.511	ug/l	93
28) Bromochloromethane	4.898	49	82687	48.351	ug/l #	82
29) Tetrahydrofuran	5.007	42	237381	229.865	ug/l	94
30) Chloroform	5.093	83	218582	53.956	ug/l	99
31) Cyclohexane	5.471	56	163166	45.263	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	183143	51.585	ug/l	97
36) 1,1-Dichloropropene	5.696	75	152276	46.506	ug/l	99
37) Ethyl Acetate	4.709	43	133536	44.652	ug/l	96
38) Carbon Tetrachloride	5.678	117	159379	51.275	ug/l	96
39) Methylcyclohexane	7.379	83	162267	40.713	ug/l	98
40) Benzene	6.038	78	444323	47.304	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	82170	47.952	ug/l	96
42) 1,2-Dichloroethane	6.086	62	163396	48.789	ug/l	97
43) Isopropyl Acetate	6.336	43	232173	46.203	ug/l	95
44) Trichloroethene	7.123	130	123970	47.910	ug/l	98
45) 1,2-Dichloropropane	7.428	63	115047	48.583	ug/l	100
46) Dibromomethane	7.580	93	79588	48.942	ug/l	91
47) Bromodichloromethane	7.824	83	155507	51.902	ug/l	98
48) Methyl methacrylate	7.690	41	121504	49.293	ug/l	93
49) 1,4-Dioxane	7.708	88	43955	731.565	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	738026	239.058	ug/l	96
52) Toluene	8.720	92	287402	48.271	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	159156	50.865	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	173947	49.183	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	115733	48.760	ug/l	98
56) Ethyl methacrylate	9.116	69	178132	50.380	ug/l	89
57) 1,3-Dichloropropane	9.305	76	198137	48.806	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.366	63	1154	0.653	ug/l #	47
59) 2-Hexanone	9.427	43	545488	235.198	ug/l	95
60) Dibromochloromethane	9.519	129	123095	54.129	ug/l	98
61) 1,2-Dibromoethane	9.610	107	122120	49.909	ug/l	99
64) Tetrachloroethene	9.275	164	106238	45.794	ug/l	99
65) Chlorobenzene	10.080	112	307922	46.973	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	116881	51.232	ug/l	98
67) Ethyl Benzene	10.195	91	545187	48.024	ug/l	100
68) m/p-Xylenes	10.299	106	419656	96.473	ug/l	99
69) o-Xylene	10.640	106	208511	48.882	ug/l	98
70) Styrene	10.653	104	339469	49.083	ug/l	98
71) Bromoform	10.799	173	85439	53.841	ug/l #	98
73) Isopropylbenzene	10.964	105	537216	49.674	ug/l	100
74) N-amyl acetate	10.842	43	189816	46.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.214	83	169430	50.474	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	136508m	46.255	ug/l	
77) Bromobenzene	11.195	156	134937	50.194	ug/l	91
78) n-propylbenzene	11.305	91	600353	48.335	ug/l	99
79) 2-Chlorotoluene	11.366	91	371369	47.848	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	456517	50.062	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	42174	46.284	ug/l	99
82) 4-Chlorotoluene	11.451	91	426227	48.894	ug/l	97
83) tert-Butylbenzene	11.713	119	450347	49.220	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	453646	49.511	ug/l	99
85) sec-Butylbenzene	11.890	105	528713	47.109	ug/l	99
86) p-Isopropyltoluene	12.006	119	456136	47.786	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	250263	48.985	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	248714	46.431	ug/l	99
89) n-Butylbenzene	12.335	91	357573	44.376	ug/l	99
90) Hexachloroethane	12.536	117	74107	50.717	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	249155	48.761	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	37034	55.020	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	154454	48.089	ug/l	99
94) Hexachlorobutadiene	13.725	225	58605	41.575	ug/l	99
95) Naphthalene	13.774	128	518928	52.482	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	152549	47.181	ug/l	99

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

