

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038915.D
 Acq On : 18 Nov 2023 07:26
 Operator : JC/MD
 Sample : 05404-14MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D1-20231109MSD

Quant Time: Nov 20 00:35:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/20/2023
 Supervised By : Mahesh Dadoda 11/20/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	127544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243512	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104422	50.809	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	101.620%		
35) Dibromofluoromethane	5.385	113	84076	47.806	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.620%		
50) Toluene-d8	8.647	98	318784	47.375	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.760%		
62) 4-Bromofluorobenzene	11.079	95	125228	46.491	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	74173	49.841	ug/l	100
3) Chloromethane	1.301	50	85176	43.851	ug/l	99
4) Vinyl Chloride	1.374	62	87312	46.664	ug/l	100
5) Bromomethane	1.599	94	43436	56.147	ug/l	98
6) Chloroethane	1.679	64	53285	49.903	ug/l	98
7) Trichlorofluoromethane	1.886	101	119589	50.368	ug/l	99
8) Diethyl Ether	2.130	74	48718	47.110	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	70051	44.489	ug/l	99
10) Methyl Iodide	2.453	142	87974	45.905	ug/l	92
11) Tert butyl alcohol	2.965	59	158341	277.010	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	73498	46.234	ug/l	91
13) Acrolein	2.233	56	76442	252.770	ug/l	98
14) Allyl chloride	2.660	41	140850	44.254	ug/l	93
15) Acrylonitrile	3.063	53	301850	249.916	ug/l	99
16) Acetone	2.380	43	258158	235.965	ug/l #	89
17) Carbon Disulfide	2.508	76	199651	40.545	ug/l	99
18) Methyl Acetate	2.703	43	230158	44.290	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	276865	49.517	ug/l	98
20) Methylene Chloride	2.788	84	85683	43.446	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79235	45.173	ug/l	97
22) Diisopropyl ether	3.757	45	280401	48.024	ug/l	91
23) Vinyl Acetate	3.721	43	864075	205.480	ug/l	97
24) 1,1-Dichloroethane	3.611	63	153784	47.099	ug/l	99
25) 2-Butanone	4.556	43	440129	248.079	ug/l	96
26) 2,2-Dichloropropane	4.477	77	86013	30.369	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	95428	46.674	ug/l	91
28) Bromochloromethane	4.898	49	79268	50.565	ug/l	98
29) Tetrahydrofuran	5.001	42	288732	256.312	ug/l	97
30) Chloroform	5.093	83	157055	49.260	ug/l	97
31) Cyclohexane	5.471	56	133666	45.553	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	135232	48.969	ug/l	99
36) 1,1-Dichloropropene	5.690	75	113605	45.070	ug/l	99
37) Ethyl Acetate	4.715	43	138581	42.199	ug/l	98
38) Carbon Tetrachloride	5.678	117	114007	48.938	ug/l	99
39) Methylcyclohexane	7.379	83	136124	41.402	ug/l	100
40) Benzene	6.038	78	342494	45.940	ug/l	98

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41) Methacrylonitrile	4.916	41	82808	48.618	ug/l	94
42) 1,2-Dichloroethane	6.086	62	122778	49.707	ug/l	98
43) Isopropyl Acetate	6.336	43	231375	44.086	ug/l	98
44) Trichloroethene	7.129	130	91555	50.453	ug/l	98
45) 1,2-Dichloropropane	7.428	63	93256	46.482	ug/l	99
46) Dibromomethane	7.580	93	64431	48.157	ug/l	98
47) Bromodichloromethane	7.818	83	126119	47.494	ug/l	98
48) Methyl methacrylate	7.690	41	116536	45.765	ug/l	93
49) 1,4-Dioxane	7.659	88	56139	1139.559	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	836244	249.331	ug/l	100
52) Toluene	8.720	92	215399	46.559	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	135799	43.033	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	141367	43.369	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	91083	47.184	ug/l	96
56) Ethyl methacrylate	9.116	69	154963	47.445	ug/l	96
57) 1,3-Dichloropropane	9.305	76	149550	46.844	ug/l	100
59) 2-Hexanone	9.427	43	665012	247.374	ug/l	98
60) Dibromochloromethane	9.519	129	93403	47.587	ug/l	99
61) 1,2-Dibromoethane	9.610	107	96359	47.570	ug/l	99
64) Tetrachloroethene	9.275	164	62293	44.161	ug/l	97
65) Chlorobenzene	10.080	112	226184	46.269	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	83361	47.406	ug/l	98
67) Ethyl Benzene	10.195	91	417403	46.475	ug/l	99
68) m/p-Xylenes	10.299	106	311601	91.717	ug/l	99
69) o-Xylene	10.640	106	156418	46.529	ug/l	100
70) Styrene	10.653	104	258973	45.614	ug/l	98
71) Bromoform	10.799	173	70536	48.117	ug/l #	99
73) Isopropylbenzene	10.964	105	403530	46.050	ug/l	100
74) N-amyl acetate	10.842	43	187832	40.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	158949	46.466	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	151903m	54.133	ug/l	
77) Bromobenzene	11.195	156	90879	46.155	ug/l	98
78) n-propylbenzene	11.305	91	490674	45.491	ug/l	98
79) 2-Chlorotoluene	11.366	91	287102	44.851	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	346614	47.043	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	48551	38.378	ug/l #	82
82) 4-Chlorotoluene	11.451	91	334611	45.335	ug/l	100
83) tert-Butylbenzene	11.713	119	334579	46.108	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	342922	45.983	ug/l	100
85) sec-Butylbenzene	11.890	105	433411	45.662	ug/l	99
86) p-Isopropyltoluene	12.006	119	343145	45.035	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	175893	45.618	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	177287	44.924	ug/l	99
89) n-Butylbenzene	12.329	91	329728	42.891	ug/l	97
90) Hexachloroethane	12.536	117	69806	45.877	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	171755	46.965	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41088	49.026	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	108430	44.245	ug/l	98
94) Hexachlorobutadiene	13.725	225	37323	43.006	ug/l	97
95) Naphthalene	13.774	128	419098	45.917	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	107465	46.259	ug/l	100

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

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