

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037326.D
 Acq On : 29 Aug 2023 07:34
 Operator : JC/MD
 Sample : 04126-19MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20230821MS

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Aug 29 08:22:28 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						08/29/2023
1) Pentafluorobenzene	5.550	168	90953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	183528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90669	50.000	ug/l	0.00
System Monitoring Compounds						08/29/2023
33) 1,2-Dichloroethane-d4	5.952	65	84225	64.233	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 128.460%#	
35) Dibromofluoromethane	5.379	113	69016	56.782	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.560%	
50) Toluene-d8	8.647	98	232589	52.754	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.500%	
62) 4-Bromofluorobenzene	11.079	95	97474	56.257	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	48747	46.139	ug/l	97
3) Chloromethane	1.294	50	66040	71.448	ug/l	98
4) Vinyl Chloride	1.374	62	60555	60.188	ug/l	98
5) Bromomethane	1.593	94	33348	66.542	ug/l	100
6) Chloroethane	1.666	64	30276	51.138	ug/l	99
7) Trichlorofluoromethane	1.874	101	82723	50.194	ug/l	99
8) Diethyl Ether	2.136	74	45159	70.824	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.319	101	45364	47.183	ug/l	97
10) Methyl Iodide	2.447	142	76489	65.457	ug/l	94
11) Tert butyl alcohol	2.983	59	109480	355.929	ug/l #	91
12) 1,1-Dichloroethene	2.312	96	52440	56.009	ug/l	84
13) Acrolein	2.233	56	59029	252.265	ug/l	98
14) Allyl chloride	2.660	41	85565	59.044	ug/l #	89
15) Acrylonitrile	3.062	53	199020	362.509	ug/l	99
16) Acetone	2.380	43	176053	343.201	ug/l	90
17) Carbon Disulfide	2.508	76	115691	48.578	ug/l	98
18) Methyl Acetate	2.703	43	112075	58.026	ug/l #	89
19) Methyl tert-butyl Ether	3.111	73	243238	68.500	ug/l	98
20) Methylene Chloride	2.788	84	75700	65.989	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	62639	58.853	ug/l	86
22) Diisopropyl ether	3.757	45	195764	65.831	ug/l #	86
23) Vinyl Acetate	3.721	43	611817	268.478	ug/l #	91
24) 1,1-Dichloroethane	3.605	63	119579	64.123	ug/l	96
25) 2-Butanone	4.556	43	266473	345.000	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	50032	30.042	ug/l	90
27) cis-1,2-Dichloroethene	4.483	96	87273	69.555	ug/l	83
28) Bromochloromethane	4.897	49	51593	61.932	ug/l #	69
29) Tetrahydrofuran	5.001	42	168969	343.034	ug/l #	81
30) Chloroform	5.092	83	136767	65.333	ug/l	97
31) Cyclohexane	5.464	56	67282	45.634	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	105152	56.053	ug/l	96
36) 1,1-Dichloropropene	5.690	75	78410	45.407	ug/l	97
37) Ethyl Acetate	4.714	43	84176	47.719	ug/l #	93
38) Carbon Tetrachloride	5.672	117	84634	45.118	ug/l	98
39) Methylcyclohexane	7.379	83	72316	39.859	ug/l	90
40) Benzene	6.037	78	274310	55.387	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.922	41	52599	57.359	ug/l	#	87
42) 1,2-Dichloroethane	6.086	62	107783	55.496	ug/l		94
43) Isopropyl Acetate	6.342	43	141692	50.595	ug/l	#	90
44) Trichloroethene	7.123	130	408246	290.704	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70284	57.555	ug/l		96
46) Dibromomethane	7.580	93	55781	57.984	ug/l		93
47) Bromodichloromethane	7.824	83	103182	55.998	ug/l		98
48) Methyl methacrylate	7.690	41	78065	57.159	ug/l	#	84
49) 1,4-Dioxane	7.665	88	53633	1458.118	ug/l	#	87
51) 4-Methyl-2-Pentanone	8.574	43	517094	304.073	ug/l		90
52) Toluene	8.720	92	177318	54.188	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	101861	51.919	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	108283	51.073	ug/l	#	85
55) 1,1,2-Trichloroethane	9.153	97	80820	60.655	ug/l		96
56) Ethyl methacrylate	9.116	69	124566	59.684	ug/l	#	84
57) 1,3-Dichloropropane	9.305	76	133988	59.651	ug/l		100
59) 2-Hexanone	9.433	43	403140	310.912	ug/l		86
60) Dibromochloromethane	9.518	129	84714	59.714	ug/l		100
61) 1,2-Dibromoethane	9.610	107	87900	60.252	ug/l		100
64) Tetrachloroethene	9.275	164	69990	53.446	ug/l		97
65) Chlorobenzene	10.079	112	197340	52.013	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.165	131	77599	55.417	ug/l		100
67) Ethyl Benzene	10.195	91	326602	48.921	ug/l		100
68) m/p-Xylenes	10.299	106	255979	99.289	ug/l		98
69) o-Xylene	10.640	106	134838	53.011	ug/l		98
70) Styrene	10.652	104	227758	54.358	ug/l		97
71) Bromoform	10.799	173	61666	58.873	ug/l	#	100
73) Isopropylbenzene	10.963	105	314928	47.787	ug/l		99
74) N-amyl acetate	10.841	43	118530	46.288	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	131853	59.408	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	108321m	56.097	ug/l		
77) Bromobenzene	11.195	156	87349	54.270	ug/l		92
78) n-propylbenzene	11.305	91	347798	47.394	ug/l		99
79) 2-Chlorotoluene	11.366	91	238804	50.923	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	277091	50.403	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	30851	44.625	ug/l		90
82) 4-Chlorotoluene	11.451	91	271655	50.183	ug/l		98
83) tert-Butylbenzene	11.713	119	269330	51.370	ug/l		95
84) 1,2,4-Trimethylbenzene	11.750	105	285361	51.361	ug/l		97
85) sec-Butylbenzene	11.890	105	297732	48.618	ug/l		99
86) p-Isopropyltoluene	12.006	119	261372	49.580	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	153779	51.032	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	156382	50.230	ug/l		98
89) n-Butylbenzene	12.329	91	198115	45.328	ug/l		99
90) Hexachloroethane	12.536	117	46719	53.095	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	165585	56.116	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31097	60.300	ug/l		83
93) 1,2,4-Trichlorobenzene	13.585	180	87074	50.433	ug/l		98
94) Hexachlorobutadiene	13.725	225	28423	42.613	ug/l		97
95) Naphthalene	13.774	128	362441	47.923	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	90448	52.729	ug/l		98

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

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