

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091423\
 Data File : VX037740.D
 Acq On : 14 Sep 2023 19:53
 Operator : JC/MD
 Sample : 04287-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 01:36:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	125234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	259376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	266155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112038	55.295	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.580%
35) Dibromofluoromethane	5.385	113	88053	47.894	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.780%
50) Toluene-d8	8.647	98	298606	43.066	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	86.140%#
62) 4-Bromofluorobenzene	11.079	95	119915	47.937	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.880%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	46819	34.099	ug/l	96
3) Chloromethane	1.300	50	77488	49.539	ug/l	98
4) Vinyl Chloride	1.374	62	76699	43.589	ug/l	98
5) Bromomethane	1.593	94	75853	51.537	ug/l	98
6) Chloroethane	1.666	64	54625	45.151	ug/l	98
7) Trichlorofluoromethane	1.874	101	104859	36.019	ug/l	100
8) Diethyl Ether	2.136	74	72036	62.348	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.319	101	54608	41.845	ug/l	96
10) Methyl Iodide	2.447	142	104378	67.726	ug/l	92
11) Tert butyl alcohol	2.977	59	158225	383.017	ug/l	# 92
12) 1,1-Dichloroethene	2.313	96	133353	103.499	ug/l	87
13) Acrolein	2.239	56	124992	377.560	ug/l	99
14) Allyl chloride	2.660	41	127454	56.467	ug/l	93
15) Acrylonitrile	3.068	53	332930	358.288	ug/l	99
16) Acetone	2.386	43	280869	342.874	ug/l	# 89
17) Carbon Disulfide	2.508	76	128851	39.339	ug/l	100
18) Methyl Acetate	2.703	43	226999	65.620	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	346408	68.102	ug/l	100
20) Methylene Chloride	2.788	84	104947	66.685	ug/l	# 87
21) trans-1,2-Dichloroethene	3.087	96	90918	61.333	ug/l	88
22) Diisopropyl ether	3.763	45	301337	61.281	ug/l	# 86
23) Vinyl Acetate	3.721	43	1121447	312.672	ug/l	95
24) 1,1-Dichloroethane	3.605	63	408371	142.516	ug/l	98
25) 2-Butanone	4.562	43	456715	341.936	ug/l	91
26) 2,2-Dichloropropane	4.471	77	87966	44.132	ug/l	# 15
27) cis-1,2-Dichloroethene	4.489	96	967289	535.103	ug/l	80
28) Bromochloromethane	4.897	49	92931	64.193	ug/l	# 82
29) Tetrahydrofuran	5.007	42	294227	345.917	ug/l	90
30) Chloroform	5.092	83	183214	59.205	ug/l	99
31) Cyclohexane	5.464	56	78706	33.733	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	126933	49.283	ug/l	98
36) 1,1-Dichloropropene	5.696	75	92745	37.083	ug/l	96
37) Ethyl Acetate	4.721	43	162785	56.883	ug/l	# 80
38) Carbon Tetrachloride	5.678	117	98693	38.627	ug/l	99
39) Methylcyclohexane	7.379	83	78505	26.527	ug/l	93
40) Benzene	6.037	78	372362	49.111	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	91320	60.583	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	195889	66.102	ug/l	97
43) Isopropyl Acetate	6.342	43	263724	57.765	ug/l	96
44) Trichloroethene	7.135	130	10247395	5409.489	ug/l	95
45) 1,2-Dichloropropane	7.434	63	105434	52.692	ug/l	96
46) Dibromomethane	7.580	93	84026	57.722	ug/l	93
47) Bromodichloromethane	7.824	83	149054	56.720	ug/l	95
48) Methyl methacrylate	7.696	41	132434	60.008	ug/l #	87
49) 1,4-Dioxane	7.665	88	85950	1571.922	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	928816	309.826	ug/l	95
52) Toluene	8.720	92	234007	48.002	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	159707	59.944	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	167037	57.137	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	126875	61.807	ug/l	93
56) Ethyl methacrylate	9.116	69	198558	63.220	ug/l	90
57) 1,3-Dichloropropane	9.311	76	197499	57.358	ug/l	100
59) 2-Hexanone	9.433	43	721289	311.701	ug/l	93
60) Dibromochloromethane	9.525	129	125958	62.469	ug/l	100
61) 1,2-Dibromoethane	9.610	107	136565	61.892	ug/l	98
64) Tetrachloroethene	9.275	164	81586	47.312	ug/l	99
65) Chlorobenzene	10.079	112	276039	48.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	107716	55.094	ug/l	97
67) Ethyl Benzene	10.195	91	438362	43.421	ug/l	98
68) m/p-Xylenes	10.305	106	344092	89.388	ug/l	97
69) o-Xylene	10.640	106	187116	48.754	ug/l	97
70) Styrene	10.659	104	321749	51.385	ug/l	96
71) Bromoform	10.799	173	95700	62.554	ug/l #	99
73) Isopropylbenzene	10.963	105	419599	40.674	ug/l	98
74) N-amyl acetate	10.841	43	233625	51.934	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	214036	55.443	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	167729m	55.370	ug/l	
77) Bromobenzene	11.201	156	131418	53.756	ug/l	90
78) n-propylbenzene	11.305	91	465961	39.260	ug/l	99
79) 2-Chlorotoluene	11.366	91	325197	44.512	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	372415	42.954	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	54986	55.176	ug/l	91
82) 4-Chlorotoluene	11.457	91	370551	44.401	ug/l	96
83) tert-Butylbenzene	11.713	119	372828	42.805	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	393610	45.030	ug/l	98
85) sec-Butylbenzene	11.890	105	399044	37.110	ug/l	100
86) p-Isopropyltoluene	12.012	119	339824	38.567	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	225470	48.032	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	239928	49.733	ug/l	98
89) n-Butylbenzene	12.335	91	271988	34.082	ug/l	98
90) Hexachloroethane	12.536	117	61701	41.498	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	246185	52.419	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	45914	57.922	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	134355	48.036	ug/l	96
94) Hexachlorobutadiene	13.725	225	38368	32.839	ug/l	98
95) Naphthalene	13.774	128	568971	56.158	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	145738	50.784	ug/l	98

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

