

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX024001.D
 Acq On : 27 Aug 2021 18:41
 Operator : JC/MD
 Sample : M3561-23MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VE4-11MS

Manual Integrations
 APPROVED

SAM
 8/30/2021 9:16:16 AM

Quant Time: Aug 28 05:00:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	205428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	335016	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	158043	55.122	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.240%			
35) Dibromofluoromethane	5.397	113	118761	53.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.120%			
50) Toluene-d8	8.653	98	437409	51.829	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.660%			
62) 4-Bromofluorobenzene	11.085	95	183282	58.994	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	105444	48.650	ug/l	98
3) Chloromethane	1.295	50	106172	44.623	ug/l	98
4) Vinyl Chloride	1.374	62	108650	46.821	ug/l	99
5) Bromomethane	1.599	94	45995	31.526	ug/l	99
6) Chloroethane	1.679	64	70883	41.290	ug/l	99
7) Trichlorofluoromethane	1.886	101	182904	49.912	ug/l	98
8) Diethyl Ether	2.142	74	65124	50.889	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	103255	50.074	ug/l	97
10) Methyl Iodide	2.453	142	89816	31.282	ug/l	93
11) Tert butyl alcohol	2.983	59	189325	326.522	ug/l	98
12) 1,1-Dichloroethene	2.319	96	99130	50.282	ug/l	92
13) Acrolein	2.246	56	64427	186.721	ug/l	96
14) Allyl chloride	2.666	41	193561	53.275	ug/l	91
15) Acrylonitrile	3.075	53	358636	277.603	ug/l	97
16) Acetone	2.392	43	350089	273.087	ug/l	90
17) Carbon Disulfide	2.514	76	245199	52.147	ug/l	100
18) Methyl Acetate	2.715	43	173843	54.321	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	379552	55.316	ug/l	99
20) Methylene Chloride	2.794	84	115220	47.053	ug/l	89
21) trans-1,2-Dichloroethene	3.099	96	106294	50.476	ug/l	96
22) Diisopropyl ether	3.776	45	384761	53.171	ug/l	95
23) Vinyl Acetate	3.733	43	1620388	276.810	ug/l	94
24) 1,1-Dichloroethane	3.617	63	210212	52.197	ug/l	96
25) 2-Butanone	4.574	43	565283	291.124	ug/l	91
26) 2,2-Dichloropropane	4.489	77	166305	50.314	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	129189	51.558	ug/l	95
28) Bromochloromethane	4.910	49	104799	57.231	ug/l	91
29) Tetrahydrofuran	5.019	42	359925	286.173	ug/l	89
30) Chloroform	5.105	83	220881	51.798	ug/l	100
31) Cyclohexane	5.477	56	187839	50.994	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	198786	54.441	ug/l	98
36) 1,1-Dichloropropene	5.702	75	161107	51.928	ug/l	98
37) Ethyl Acetate	4.727	43	205044	53.766	ug/l #	94
38) Carbon Tetrachloride	5.684	117	171087	52.883	ug/l	96
39) Methylcyclohexane	7.385	83	189755	50.232	ug/l	97
40) Benzene	6.044	78	463685	50.544	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	113999	55.141	ug/l	90
42) 1,2-Dichloroethane	6.099	62	194883	54.051	ug/l	94
43) Isopropyl Acetate	6.355	43	332120	55.676	ug/l	93
44) Trichloroethene	7.129	130	123515	48.739	ug/l	96
45) 1,2-Dichloropropane	7.434	63	124590	51.144	ug/l	95
46) Dibromomethane	7.586	93	89549	52.823	ug/l	95
47) Bromodichloromethane	7.830	83	166468	54.280	ug/l	99
48) Methyl methacrylate	7.702	41	163050	56.031	ug/l	85
49) 1,4-Dioxane	7.665	88	72079	1171.979	ug/l #	96
51) 4-Methyl-2-Pentanone	8.580	43	1152945	298.996	ug/l	90
52) Toluene	8.726	92	302541	50.893	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	196484	49.617	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	197552	53.161	ug/l #	87
55) 1,1,2-Trichloroethane	9.159	97	128056	52.323	ug/l	99
56) Ethyl methacrylate	9.122	69	215423	51.491	ug/l #	81
57) 1,3-Dichloropropane	9.311	76	213009	52.476	ug/l	99
59) 2-Hexanone	9.433	43	956935	322.847	ug/l	87
60) Dibromochloromethane	9.525	129	131651	48.750	ug/l	98
61) 1,2-Dibromoethane	9.616	107	138999	53.762	ug/l	99
64) Tetrachloroethene	9.281	164	116651	45.675	ug/l	98
65) Chlorobenzene	10.086	112	337396	50.566	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	126748	53.371	ug/l	98
67) Ethyl Benzene	10.195	91	610820	52.423	ug/l	99
68) m/p-Xylenes	10.305	106	473197	106.621	ug/l	98
69) o-Xylene	10.647	106	235696	54.042	ug/l	99
70) Styrene	10.659	104	393408	55.369	ug/l	97
71) Bromoform	10.805	173	100249	51.874	ug/l	100
73) Isopropylbenzene	10.964	105	621551	49.809	ug/l	100
74) N-amyl acetate	10.848	43	322829	57.246	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	211450	51.705	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	201797m	52.877	ug/l	
77) Bromobenzene	11.201	156	155610	50.630	ug/l	98
78) n-propylbenzene	11.305	91	722806	50.643	ug/l	99
79) 2-Chlorotoluene	11.366	91	441337	51.160	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	534023	52.076	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.025	75	68598	52.873	ug/l	90
82) 4-Chlorotoluene	11.457	91	512907	52.382	ug/l	99
83) tert-Butylbenzene	11.720	119	519250	52.135	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	533471	52.174	ug/l	99
85) sec-Butylbenzene	11.896	105	662887	52.571	ug/l	100
86) p-Isopropyltoluene	12.012	119	549320	52.932	ug/l	97
87) 1,3-Dichlorobenzene	11.976	146	285901	51.415	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	283724	51.159	ug/l	99
89) n-Butylbenzene	12.335	91	486424	52.495	ug/l	98
90) Hexachloroethane	12.543	117	87592	48.466	ug/l	93
91) 1,2-Dichlorobenzene	12.341	146	271224	50.347	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	51765	53.813	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	168700	52.033	ug/l	98
94) Hexachlorobutadiene	13.725	225	68454	47.370	ug/l	98
95) Naphthalene	13.780	128	623539	52.053	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	170662	52.853	ug/l	98

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

