

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX024002.D
 Acq On : 27 Aug 2021 19:05
 Operator : JC/MD
 Sample : M3561-24MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VE4-11MSD

Manual Integrations
 APPROVED

SAM
 8/30/2021 9:16:06 AM

Quant Time: Aug 28 05:00:41 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	205242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	336667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156495	54.632	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.260%			
35) Dibromofluoromethane	5.397	113	118021	52.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	8.653	98	428523	50.527	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.060%			
62) 4-Bromofluorobenzene	11.085	95	176789	56.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	103474	47.784	ug/l	98
3) Chloromethane	1.294	50	106958	44.994	ug/l	100
4) Vinyl Chloride	1.374	62	110534	47.676	ug/l	99
5) Bromomethane	1.599	94	53988	37.038	ug/l	99
6) Chloroethane	1.678	64	70640	41.178	ug/l	96
7) Trichlorofluoromethane	1.886	101	185581	50.689	ug/l	99
8) Diethyl Ether	2.142	74	65872	51.521	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	104542	50.744	ug/l	96
10) Methyl Iodide	2.453	142	117477	40.953	ug/l	92
11) Tert butyl alcohol	2.983	59	187345	323.400	ug/l	97
12) 1,1-Dichloroethene	2.319	96	100978	51.265	ug/l	90
13) Acrolein	2.245	56	67227	195.013	ug/l	97
14) Allyl chloride	2.666	41	197022	54.276	ug/l	91
15) Acrylonitrile	3.075	53	364520	282.413	ug/l	97
16) Acetone	2.392	43	352523	275.235	ug/l	90
17) Carbon Disulfide	2.514	76	250679	53.361	ug/l	99
18) Methyl Acetate	2.715	43	176717	55.269	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	390482	56.960	ug/l	100
20) Methylene Chloride	2.794	84	117386	47.981	ug/l	92
21) trans-1,2-Dichloroethene	3.099	96	108744	51.687	ug/l	99
22) Diisopropyl ether	3.776	45	395531	54.709	ug/l	93
23) Vinyl Acetate	3.733	43	1644274	281.145	ug/l	94
24) 1,1-Dichloroethane	3.617	63	216738	53.866	ug/l	97
25) 2-Butanone	4.574	43	566089	291.803	ug/l	94
26) 2,2-Dichloropropane	4.489	77	171782	52.018	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	129854	51.870	ug/l	95
28) Bromochloromethane	4.910	49	106423	58.171	ug/l	93
29) Tetrahydrofuran	5.019	42	364669	290.207	ug/l	89
30) Chloroform	5.105	83	223743	52.517	ug/l	99
31) Cyclohexane	5.477	56	191375	52.001	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	202687	55.560	ug/l	98
36) 1,1-Dichloropropene	5.702	75	164247	52.681	ug/l	98
37) Ethyl Acetate	4.727	43	207380	54.111	ug/l #	94
38) Carbon Tetrachloride	5.684	117	177350	54.550	ug/l	98
39) Methylcyclohexane	7.385	83	193417	50.950	ug/l	95
40) Benzene	6.043	78	469355	50.911	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	111206	53.526	ug/l	91
42) 1,2-Dichloroethane	6.098	62	195805	54.040	ug/l	94
43) Isopropyl Acetate	6.348	43	332086	55.397	ug/l	93
44) Trichloroethene	7.135	130	127364	50.011	ug/l	99
45) 1,2-Dichloropropane	7.440	63	124480	50.848	ug/l	99
46) Dibromomethane	7.586	93	89778	52.698	ug/l	96
47) Bromodichloromethane	7.830	83	169377	54.958	ug/l	99
48) Methyl methacrylate	7.702	41	165408	56.562	ug/l	85
49) 1,4-Dioxane	7.665	88	69035	1116.980	ug/l #	93
51) 4-Methyl-2-Pentanone	8.580	43	1119754	288.965	ug/l	91
52) Toluene	8.726	92	303565	50.815	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	194966	49.019	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	202676	54.272	ug/l #	89
55) 1,1,2-Trichloroethane	9.159	97	128476	52.238	ug/l	99
56) Ethyl methacrylate	9.122	69	217373	51.699	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	216693	53.121	ug/l	99
59) 2-Hexanone	9.433	43	905049	303.844	ug/l	87
60) Dibromochloromethane	9.525	129	133336	49.119	ug/l	99
61) 1,2-Dibromoethane	9.616	107	137466	52.908	ug/l	100
64) Tetrachloroethene	9.281	164	116644	46.303	ug/l	96
65) Chlorobenzene	10.085	112	332169	50.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	127637	54.488	ug/l	100
67) Ethyl Benzene	10.195	91	604697	52.614	ug/l	99
68) m/p-Xylenes	10.305	106	464013	105.997	ug/l	97
69) o-Xylene	10.646	106	230740	53.637	ug/l	99
70) Styrene	10.659	104	384101	54.806	ug/l	97
71) Bromoform	10.805	173	96771	50.808	ug/l #	100
73) Isopropylbenzene	10.963	105	608213	49.779	ug/l	100
74) N-amyl acetate	10.848	43	302906	54.858	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	204590	51.093	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	192439m	51.499	ug/l	
77) Bromobenzene	11.201	156	149438	49.658	ug/l	99
78) n-propylbenzene	11.305	91	710090	50.813	ug/l	99
79) 2-Chlorotoluene	11.366	91	436167	51.639	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	523861	52.173	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	66191	52.105	ug/l	92
82) 4-Chlorotoluene	11.457	91	499911	52.142	ug/l	99
83) tert-Butylbenzene	11.719	119	513789	52.687	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	525223	52.462	ug/l	97
85) sec-Butylbenzene	11.896	105	649505	52.607	ug/l	100
86) p-Isopropyltoluene	12.012	119	543405	53.478	ug/l	98
87) 1,3-Dichlorobenzene	11.975	146	277052	50.886	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	278826	51.348	ug/l	98
89) n-Butylbenzene	12.335	91	482196	53.148	ug/l	98
90) Hexachloroethane	12.542	117	85605	48.379	ug/l	93
91) 1,2-Dichlorobenzene	12.341	146	272844	51.727	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	54092	57.285	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	178253	56.151	ug/l	98
94) Hexachlorobutadiene	13.725	225	73121	51.678	ug/l	98
95) Naphthalene	13.780	128	642213	54.688	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	173463	54.865	ug/l	98

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

