

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060221\
 Data File : VX022348.D
 Acq On : 02 Jun 2021 18:59
 Operator : JC/MD
 Sample : M2579-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33S-20210601MSD

Manual Integrations
 APPROVED

SAM
 6/3/2021 5:44:34 PM

Quant Time: Jun 03 02:23:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	80899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	162247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	70282	56.319	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.640%			
35) Dibromofluoromethane	5.397	113	53624	52.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	8.653	98	207912	52.458	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.920%			
62) 4-Bromofluorobenzene	11.085	95	79967	54.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53252	54.145	ug/l	97
3) Chloromethane	1.294	50	60253	56.796	ug/l	100
4) Vinyl Chloride	1.374	62	60153	53.585	ug/l	99
5) Bromomethane	1.599	94	31307	47.837	ug/l	99
6) Chloroethane	1.678	64	37640	56.313	ug/l	97
7) Trichlorofluoromethane	1.886	101	86740	53.741	ug/l	96
8) Diethyl Ether	2.136	74	35458	51.082	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	51442	53.673	ug/l	92
10) Methyl Iodide	2.453	142	61508	59.717	ug/l	95
11) Tert butyl alcohol	2.983	59	74152	259.795	ug/l	98
12) 1,1-Dichloroethene	2.319	96	52179	56.277	ug/l	97
13) Acrolein	2.239	56	51861	273.956	ug/l	98
14) Allyl chloride	2.666	41	98337	57.745	ug/l	96
15) Acrylonitrile	3.075	53	170986	304.289	ug/l	100
16) Acetone	2.386	43	154500	284.331	ug/l	94
17) Carbon Disulfide	2.514	76	133389	54.928	ug/l	98
18) Methyl Acetate	2.709	43	77016	53.294	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	177739	55.960	ug/l	99
20) Methylene Chloride	2.794	84	62182	51.540	ug/l	88
21) trans-1,2-Dichloroethene	3.099	96	58832	58.335	ug/l	98
22) Diisopropyl ether	3.769	45	190292	58.016	ug/l	95
23) Vinyl Acetate	3.733	43	869837	275.435	ug/l	96
24) 1,1-Dichloroethane	3.617	63	111824	58.096	ug/l	99
25) 2-Butanone	4.568	43	264368	300.732	ug/l	94
26) 2,2-Dichloropropane	4.483	77	75063	43.931	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	70632	57.589	ug/l	97
28) Bromochloromethane	4.910	49	52936	56.690	ug/l	83
29) Tetrahydrofuran	5.019	42	156365	298.850	ug/l	90
30) Chloroform	5.105	83	111770	56.200	ug/l	99
31) Cyclohexane	5.477	56	92024	58.682	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	93426	54.975	ug/l	97
36) 1,1-Dichloropropene	5.702	75	84847	56.554	ug/l	97
37) Ethyl Acetate	4.727	43	97541	53.037	ug/l	96
38) Carbon Tetrachloride	5.684	117	77998	53.146	ug/l	99
39) Methylcyclohexane	7.385	83	92576	54.407	ug/l	98
40) Benzene	6.043	78	256406	55.545	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060221\
 Data File : VX022348.D
 Acq On : 02 Jun 2021 18:59
 Operator : JC/MD
 Sample : M2579-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33S-20210601MSD

Manual Integrations
 APPROVED

SAM
 6/3/2021 5:44:34 PM

Quant Time: Jun 03 02:23:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	54519	55.412	ug/l	93
42) 1,2-Dichloroethane	6.092	62	90425	55.914	ug/l	98
43) Isopropyl Acetate	6.354	43	163155	54.236	ug/l	93
44) Trichloroethene	7.135	130	61180	53.335	ug/l	97
45) 1,2-Dichloropropane	7.440	63	65345	55.492	ug/l	97
46) Dibromomethane	7.586	93	43990	55.064	ug/l #	86
47) Bromodichloromethane	7.830	83	84794	53.041	ug/l	96
48) Methyl methacrylate	7.696	41	80097	57.776	ug/l	91
49) 1,4-Dioxane	7.665	88	27731	1027.380	ug/l	95
51) 4-Methyl-2-Pentanone	8.580	43	532742	295.648	ug/l	91
52) Toluene	8.726	92	159016	54.395	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	95673	51.846	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	101970	51.399	ug/l	96
55) 1,1,2-Trichloroethane	9.159	97	63905	53.848	ug/l	98
56) Ethyl methacrylate	9.122	69	107959	56.287	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	113504	56.019	ug/l	99
59) 2-Hexanone	9.433	43	407693	300.823	ug/l	89
60) Dibromochloromethane	9.525	129	58458	50.632	ug/l	97
61) 1,2-Dibromoethane	9.616	107	65955	55.818	ug/l	99
64) Tetrachloroethene	9.281	164	47604	49.222	ug/l	93
65) Chlorobenzene	10.085	112	161634	52.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	55013	51.630	ug/l	97
67) Ethyl Benzene	10.195	91	303302	53.767	ug/l	98
68) m/p-Xylenes	10.305	106	227146	106.545	ug/l	98
69) o-Xylene	10.646	106	110119	53.108	ug/l	99
70) Styrene	10.659	104	185547	54.624	ug/l	98
71) Bromoform	10.805	173	35669	43.860	ug/l #	99
73) Isopropylbenzene	10.963	105	290099	51.562	ug/l	98
74) N-amyl acetate	10.848	43	144791	54.219	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	104989	56.300	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	92441m	56.369	ug/l	
77) Bromobenzene	11.201	156	61094	51.214	ug/l	86
78) n-propylbenzene	11.305	91	346407	52.566	ug/l	98
79) 2-Chlorotoluene	11.366	91	205089	51.311	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	242566	52.020	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	31648	45.725	ug/l	92
82) 4-Chlorotoluene	11.457	91	235985	51.247	ug/l	96
83) tert-Butylbenzene	11.719	119	226688	50.689	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	246095	52.432	ug/l	99
85) sec-Butylbenzene	11.896	105	290643	51.142	ug/l	98
86) p-Isopropyltoluene	12.012	119	244679	50.976	ug/l	97
87) 1,3-Dichlorobenzene	11.975	146	118313	51.440	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	117912	49.596	ug/l	97
89) n-Butylbenzene	12.335	91	226055	50.914	ug/l	98
90) Hexachloroethane	12.542	117	37283	46.999	ug/l	75
91) 1,2-Dichlorobenzene	12.335	146	114070	51.633	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21705	54.393	ug/l	80
93) 1,2,4-Trichlorobenzene	13.591	180	66261	49.705	ug/l	97
94) Hexachlorobutadiene	13.725	225	21978	42.239	ug/l	98
95) Naphthalene	13.780	128	283172	54.468	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	66279	49.323	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060221\
Data File : VX022348.D
Acq On : 02 Jun 2021 18:59
Operator : JC/MD
Sample : M2579-04MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
33S-20210601MSD

Manual Integrations
APPROVED

SAM
6/3/2021 5:44:34 PM

Quant Time: Jun 03 02:23:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration

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

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

