

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083021\
 Data File : VX024025.D
 Acq On : 30 Aug 2021 19:25
 Operator : JC/MD
 Sample : M3583-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20210827MS

Manual Integrations
 APPROVED

MMDadoda
 8/31/2021 5:41:25 PM

Quant Time: Aug 31 03:13:19 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	174755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	286411	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	131195	53.790	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.580%	
35) Dibromofluoromethane	5.397	113	96988	51.163	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.320%	
50) Toluene-d8	8.653	98	354025	49.067	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.140%	
62) 4-Bromofluorobenzene	11.085	95	147237	55.434	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.860%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	96112	52.128	ug/l	100
3) Chloromethane	1.294	50	102505	50.644	ug/l	98
4) Vinyl Chloride	1.373	62	101139	51.235	ug/l	100
5) Bromomethane	1.599	94	57011	45.935	ug/l	97
6) Chloroethane	1.678	64	65358	45.067	ug/l	99
7) Trichlorofluoromethane	1.886	101	169349	54.325	ug/l	99
8) Diethyl Ether	2.142	74	59241	54.418	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	97278	55.456	ug/l	96
10) Methyl Iodide	2.453	142	120441	49.311	ug/l	92
11) Tert butyl alcohol	2.983	59	153419	311.039	ug/l	97
12) 1,1-Dichloroethene	2.318	96	94365	56.266	ug/l	88
13) Acrolein	2.245	56	84247	287.019	ug/l	97
14) Allyl chloride	2.666	41	178734	57.828	ug/l	90
15) Acrylonitrile	3.074	53	320427	291.561	ug/l	98
16) Acetone	2.392	43	303288	278.104	ug/l	88
17) Carbon Disulfide	2.514	76	231304	57.826	ug/l	98
18) Methyl Acetate	2.715	43	149281	54.833	ug/l	90
19) Methyl tert-butyl Ether	3.123	73	358381	61.398	ug/l	97
20) Methylene Chloride	2.794	84	112027	53.779	ug/l	91
21) trans-1,2-Dichloroethene	3.099	96	102121	57.007	ug/l	95
22) Diisopropyl ether	3.769	45	362974	58.964	ug/l	90
23) Vinyl Acetate	3.733	43	1411509	283.450	ug/l #	93
24) 1,1-Dichloroethane	3.617	63	202661	59.155	ug/l	96
25) 2-Butanone	4.574	43	481726	291.637	ug/l	93
26) 2,2-Dichloropropane	4.483	77	140105	49.827	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	124308	58.317	ug/l	95
28) Bromochloromethane	4.909	49	85518	54.899	ug/l	91
29) Tetrahydrofuran	5.019	42	313092	292.630	ug/l	88
30) Chloroform	5.105	83	210959	58.155	ug/l	99
31) Cyclohexane	5.476	56	176997	56.485	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	189253	60.928	ug/l	98
36) 1,1-Dichloropropene	5.702	75	154655	58.308	ug/l	97
37) Ethyl Acetate	4.727	43	173366	53.174	ug/l	94
38) Carbon Tetrachloride	5.684	117	166368	60.151	ug/l	98
39) Methylcyclohexane	7.385	83	180727	55.961	ug/l	95
40) Benzene	6.043	78	439601	56.050	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083021\
 Data File : VX024025.D
 Acq On : 30 Aug 2021 19:25
 Operator : JC/MD
 Sample : M3583-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20210827MS

Manual Integrations
 APPROVED

MMDadoda
 8/31/2021 5:41:25 PM

Quant Time: Aug 31 03:13:19 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)
41) Methacrylonitrile	4.934	41	102767	58.144	ug/l	90
42) 1,2-Dichloroethane	6.098	62	183805	59.629	ug/l	94
43) Isopropyl Acetate	6.354	43	287252	56.326	ug/l	92
44) Trichloroethene	7.129	130	124707	57.560	ug/l	98
45) 1,2-Dichloropropane	7.439	63	118292	56.799	ug/l	97
46) Dibromomethane	7.586	93	83369	57.523	ug/l	97
47) Bromodichloromethane	7.830	83	159640	60.887	ug/l	99
48) Methyl methacrylate	7.702	41	149396	60.051	ug/l	85
49) 1,4-Dioxane	7.665	88	63195	1201.903	ug/l #	96
51) 4-Methyl-2-Pentanone	8.580	43	985064	298.812	ug/l	90
52) Toluene	8.726	92	286327	56.340	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	177029	52.176	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	184210	57.983	ug/l #	90
55) 1,1,2-Trichloroethane	9.159	97	119270	57.004	ug/l	99
56) Ethyl methacrylate	9.122	69	196281	54.827	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	201090	57.946	ug/l	99
59) 2-Hexanone	9.433	43	786037	310.194	ug/l	86
60) Dibromochloromethane	9.524	129	125232	54.052	ug/l	99
61) 1,2-Dibromoethane	9.616	107	127953	57.888	ug/l	100
64) Tetrachloroethene	9.275	164	114069	53.167	ug/l	93
65) Chlorobenzene	10.085	112	314706	56.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	119594	59.946	ug/l	99
67) Ethyl Benzene	10.195	91	570630	58.297	ug/l	99
68) m/p-Xylenes	10.305	106	440746	118.216	ug/l	97
69) o-Xylene	10.646	106	219536	59.920	ug/l	99
70) Styrene	10.658	104	365318	61.204	ug/l	96
71) Bromoform	10.805	173	92876	57.010	ug/l #	97
73) Isopropylbenzene	10.963	105	582244	55.321	ug/l	100
74) N-amyl acetate	10.847	43	263596	55.420	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.219	83	194176	56.295	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	181699m	56.449	ug/l	
77) Bromobenzene	11.201	156	142778	55.079	ug/l	100
78) n-propylbenzene	11.305	91	673313	55.933	ug/l	99
79) 2-Chlorotoluene	11.366	91	414505	56.970	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	499049	57.699	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	60313	55.117	ug/l	90
82) 4-Chlorotoluene	11.457	91	474229	57.422	ug/l	99
83) tert-Butylbenzene	11.719	119	483136	57.514	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	494920	57.389	ug/l	99
85) sec-Butylbenzene	11.896	105	613510	57.687	ug/l	100
86) p-Isopropyltoluene	12.012	119	513952	58.717	ug/l	98
87) 1,3-Dichlorobenzene	11.975	146	261340	55.723	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	261770	55.963	ug/l	98
89) n-Butylbenzene	12.335	91	444716	56.903	ug/l	97
90) Hexachloroethane	12.542	117	84735	55.374	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	254158	55.937	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	44217	54.471	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	150130	54.901	ug/l	98
94) Hexachlorobutadiene	13.725	225	67777	55.608	ug/l	100
95) Naphthalene	13.780	128	531037	52.548	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	152549	56.013	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083021\
Data File : VX024025.D
Acq On : 30 Aug 2021 19:25
Operator : JC/MD
Sample : M3583-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20210827MS

Manual Integrations
APPROVED

MMDadoda
8/31/2021 5:41:25 PM

Quant Time: Aug 31 03:13:19 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)

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

