

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
 Data File : VW020243.D
 Acq On : 29 Sep 2021 20:55
 Operator : SY/VA
 Sample : M3974-04MS
 Misc : 6.40g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y9MS

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 3:20:33 PM

Quant Time: Sep 30 02:10:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Sep 30 02:06:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	11128	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.640	117	4018	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.548	152	391m	25.000	ug/L	-0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	15849	69.618	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	278.480%#
7) Chloroethane-d5	2.904	69	7290	42.507	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	170.040%#
11) 1,1-Dichloroethene-d2	4.038	63	16390	45.982	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	183.920%#
21) 2-Butanone-d5	0.000	46	0d	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
24) Chloroform-d	7.659	84	9120	26.060	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.240%
26) 1,2-Dichloroethane-d4	8.311	65	2646	14.048	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	56.200%#
32) Benzene-d6	8.275	84	16098	62.799	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	251.200%#
36) 1,2-Dichloropropane-d6	9.281	67	3774	50.872	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	203.480%#
41) Toluene-d8	10.329	98	9118	39.092	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	156.360%#
43) trans-1,3-Dichloroprop...	10.579	79	705	22.234	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.920%
47) 2-Hexanone-d5	10.927	63	218	21.234	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	42.460%
56) 1,1,2,2-Tetrachloroeth...	12.701	84	1055	18.436	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.760%
66) 1,2-Dichlorobenzene-d4	13.853	152	475	32.398	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	129.600%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.008	85	10617	108.929	ug/L	100
3) Chloromethane	2.221	50	10536	78.174	ug/L	91
5) Vinyl chloride	2.367	62	18916	89.381	ug/L	95
6) Bromomethane	2.794	94	5909	43.190	ug/L	90
8) Chloroethane	2.940	64	7029	54.923	ug/L	92
9) Trichlorofluoromethane	3.288	101	22555	151.482	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.080	101	12892	79.201	ug/L #	73
12) 1,1-Dichloroethene	4.056	96	7308	49.521	ug/L	95
13) Acetone	4.153	43	577m	19.178	ug/L	
14) Carbon disulfide	4.403	76	22422	48.313	ug/L	98
16) Methylene chloride	4.934	84	3972	20.228	ug/L	89
17) trans-1,2-Dichloroethene	5.446	96	5719	36.786	ug/L	89
18) Methyl tert-butyl Ether	5.434	73	2445m	13.248	ug/L	
19) 1,1-Dichloroethane	6.232	63	10019	34.940	ug/L	95
20) cis-1,2-Dichloroethene	7.190	96	3718m	23.515	ug/L	
22) 2-Butanone	7.196	43	453	11.605	ug/L #	63
23) Bromochloromethane	7.525	128	1279m	17.845	ug/L	
25) Chloroform	7.683	83	8356	27.866	ug/L	96
27) 1,2-Dichloroethane	8.409	62	2951	14.954	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.970	56	8205	91.772	ug/L	94
30) 1,1,1-Trichloroethane	7.885	97	14992	150.577	ug/L	98
31) Carbon tetrachloride	8.080	117	13746	151.740	ug/L	97
33) Benzene	8.330	78	17560	72.415	ug/L	100
34) Trichloroethene	9.098	95	81745	1259.280	ug/L	97
35) Methylcyclohexane	9.342	83	6368	60.207	ug/L	94
37) 1,2-Dichloropropane	9.378	63	3077	51.230	ug/L #	95
38) Bromodichloromethane	9.646	83	3719	45.725	ug/L	93
39) cis-1,3-Dichloropropene	10.079	75	2277	25.703	ug/L	85
40) 4-Methyl-2-pentanone	10.213	43	825	27.273	ug/L #	71
42) Toluene	10.390	91	10891	42.275	ug/L	99
44) trans-1,3-Dichloropropene	10.610	75	1415	17.783	ug/L	87
45) 1,1,2-Trichloroethane	10.793	97	1262	28.656	ug/L	92
46) Tetrachloroethene	10.872	164	2562	51.062	ug/L	91
48) 2-Hexanone	10.975	43	327m	15.519	ug/L	
49) Dibromochloromethane	11.134	129	1402	27.244	ug/L	86
50) 1,2-Dibromoethane	11.238	107	840	20.267	ug/L #	93
51) Chlorobenzene	11.658	112	3396	20.268	ug/L	92
52) Ethylbenzene	11.737	91	6873	24.222	ug/L	99
53) m,p-Xylene	11.841	106	2449	22.638	ug/L	91
54) o-Xylene	12.164	106	2234	22.324	ug/L	85
55) Styrene	12.183	104	1940	11.157	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	998	18.972	ug/L	85
59) Bromoform	12.353	173	473	88.726	ug/L #	60
60) Isopropylbenzene	12.463	105	6679	127.398	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	599	81.132	ug/L #	89
62) 1,3,5-Trimethylbenzene	12.945	105	3431	79.743	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	2185	51.697	ug/L	91
64) 1,3-Dichlorobenzene	13.499	146	646	26.869	ug/L #	74
65) 1,4-Dichlorobenzene	13.585	146	449	18.071	ug/L	99
67) 1,2-Dichlorobenzene	13.871	146	614	28.040	ug/L	91
69) 1,3,5-Trichlorobenzene	14.633	180	144	8.659	ug/L #	74

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

