

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051223\
 Data File : VW025973.D
 Acq On : 12 May 2023 19:02
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025488

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/15/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 14 22:51:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sun May 14 22:48:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	564883	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	518703	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	257300	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	166810	20.839	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.360%		
7) Chloroethane-d5	2.893	69	141288	23.808	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.240%		
11) 1,1-Dichloroethene-d2	4.027	65	73687	18.384	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	73.520%		
21) 2-Butanone-d5	7.075	46	140032	52.917	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	105.840%		
24) Chloroform-d	7.648	84	408227	25.062	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	100.240%		
26) 1,2-Dichloroethane-d4	8.301	65	223695	24.286	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	97.160%		
32) Benzene-d6	8.276	84	781988	23.072	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.280%		
36) 1,2-Dichloropropane-d6	9.270	67	266409	24.567	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.280%		
41) Toluene-d8	10.319	98	691076	22.866	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.480%		
43) trans-1,3-Dichloroprop...	10.575	79	95366	21.695	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	86.800%		
47) 2-Hexanone-d5	10.922	63	101625	54.957	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	109.920%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	219135	26.512	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	106.040%		
66) 1,2-Dichlorobenzene-d4	13.849	152	225487	24.040	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.160%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	162552m	25.757	ug/L	
3) Chloromethane	2.223	50	235586	25.318	ug/L	99
5) Vinyl chloride	2.375	62	215868	22.413	ug/L	100
6) Bromomethane	2.783	94	127678	24.373	ug/L	97
8) Chloroethane	2.930	64	134115	24.489	ug/L	98
9) Trichlorofluoromethane	3.265	101	123747	17.025	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	169547	21.448	ug/L	99
12) 1,1-Dichloroethene	4.045	96	155729	20.613	ug/L	95
13) Acetone	4.119	43	73101	31.154	ug/L	97
14) Carbon disulfide	4.393	76	490729	19.208	ug/L	100
15) Methyl Acetate	4.667	43	106574	23.048	ug/L	99
16) Methylene chloride	4.917	84	200853	17.241	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	178532	21.662	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	284205	22.721	ug/L	99
19) 1,1-Dichloroethane	6.216	63	393934	23.264	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	220043	24.886	ug/L	97
22) 2-Butanone	7.167	43	147724	45.593	ug/L	100
23) Bromochloromethane	7.514	128	94255	25.162	ug/L	95
25) Chloroform	7.673	83	394478	25.347	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	281659	25.483	ug/L	99
29) Cyclohexane	7.953	56	353544	21.994	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	290977	22.938	ug/L	99
31) Carbon tetrachloride	8.069	117	264563	23.175	ug/L	98
33) Benzene	8.319	78	879102	24.497	ug/L	100
34) Trichloroethene	9.093	95	218903	23.771	ug/L	97
35) Methylcyclohexane	9.337	83	359787	21.967	ug/L	100
37) 1,2-Dichloropropane	9.368	63	246282	25.049	ug/L	100
38) Bromodichloromethane	9.642	83	280147	24.836	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	340525	23.617	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	339908	53.113	ug/L	99
42) Toluene	10.386	91	911317	24.853	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	287272	24.045	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	166026	25.244	ug/L	98
46) Tetrachloroethene	10.861	164	147766	22.809	ug/L	90
48) 2-Hexanone	10.965	43	237280	51.755	ug/L	99
49) Dibromochloromethane	11.123	129	169802	24.938	ug/L	100
50) 1,2-Dibromoethane	11.233	107	150280	24.786	ug/L	100
51) Chlorobenzene	11.654	112	550967	24.255	ug/L	98
52) Ethylbenzene	11.727	91	1009338	24.470	ug/L	99
53) m,p-Xylene	11.837	106	372311	24.525	ug/L	95
54) o-Xylene	12.166	106	350436	24.491	ug/L	97
55) Styrene	12.178	104	609608	24.891	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.709	83	211492	25.771	ug/L	98
59) Bromoform	12.349	173	95717	25.115	ug/L	99
60) Isopropylbenzene	12.459	105	957841	24.490	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	154746	25.448	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	766996	24.760	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	698737	24.443	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	400830	23.807	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	412443	24.247	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	377574	25.146	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	35420	25.119	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	249606	22.334	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	221772	23.686	ug/L	99
71) Naphthalene	15.360	128	454448	25.716	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	207324	24.956	ug/L	96

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

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