

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021523\
 Data File : VW025332.D
 Acq On : 15 Feb 2023 11:34
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025538

Quant Time: Feb 15 22:00:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Feb 13 23:31:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/20/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	353883	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	309774	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	161552	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	66269	19.352	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	77.400%		
7) Chloroethane-d5	2.899	69	64181	21.108	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.440%		
11) 1,1-Dichloroethene-d2	4.027	63	202183	21.292	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	85.160%		
21) 2-Butanone-d5	7.075	46	49649	55.849	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	111.700%		
24) Chloroform-d	7.648	84	221492	23.880	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	95.520%		
26) 1,2-Dichloroethane-d4	8.307	65	114401	25.321	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	101.280%		
32) Benzene-d6	8.270	84	416244	22.170	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	88.680%		
36) 1,2-Dichloropropane-d6	9.270	67	120749	21.981	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	87.920%		
41) Toluene-d8	10.319	98	384237	22.895	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.560%		
43) trans-1,3-Dichloroprop...	10.575	79	52971	25.806	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	103.240%		
47) 2-Hexanone-d5	10.922	63	40221	65.303	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	130.600%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	98003	26.234	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	104.920%		
66) 1,2-Dichlorobenzene-d4	13.849	152	125622	22.412	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	89.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	108104m	22.575	ug/L	
3) Chloromethane	2.229	50	102551	22.311	ug/L	97
5) Vinyl chloride	2.375	62	110718	23.651	ug/L	96
6) Bromomethane	2.790	94	75673	23.609	ug/L	97
8) Chloroethane	2.930	64	75163	25.720	ug/L	100
9) Trichlorofluoromethane	3.265	101	147831	21.955	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	123257	25.244	ug/L	96
12) 1,1-Dichloroethene	4.045	96	116137	23.962	ug/L	94
13) Acetone	4.125	43	48304	49.279	ug/L	97
14) Carbon disulfide	4.387	76	350266	22.114	ug/L	100
15) Methyl Acetate	4.667	43	45860	27.342	ug/L	99
16) Methylene chloride	4.917	84	129263	21.457	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	124589	23.936	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	187862	25.106	ug/L	100
19) 1,1-Dichloroethane	6.216	63	236309	25.496	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	139069	25.446	ug/L	96
22) 2-Butanone	7.173	43	61453	51.554	ug/L	100
23) Bromochloromethane	7.514	128	57664	25.615	ug/L	95
25) Chloroform	7.673	83	246401	25.845	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	160888	27.708	ug/L	99
29) Cyclohexane	7.953	56	205077	22.988	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	216866	24.681	ug/L	98
31) Carbon tetrachloride	8.069	117	207678	25.554	ug/L	98
33) Benzene	8.325	78	524161	24.451	ug/L	100
34) Trichloroethene	9.093	95	141885	23.629	ug/L	99
35) Methylcyclohexane	9.337	83	243728	22.740	ug/L	100
37) 1,2-Dichloropropane	9.362	63	128495	24.303	ug/L	100
38) Bromodichloromethane	9.642	83	175899	25.020	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	216657	25.027	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	123893	53.072	ug/L	99
42) Toluene	10.386	91	567738	26.632	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	180390	29.233	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	95629	28.699	ug/L	97
46) Tetrachloroethene	10.861	164	104650	27.271	ug/L	95
48) 2-Hexanone	10.965	43	88128	59.798	ug/L	100
49) Dibromochloromethane	11.129	129	112361	29.855	ug/L	96
50) 1,2-Dibromoethane	11.233	107	89944	29.466	ug/L	98
51) Chlorobenzene	11.654	112	364374	25.972	ug/L	96
52) Ethylbenzene	11.727	91	664375	26.011	ug/L	97
53) m,p-Xylene	11.837	106	255562	26.401	ug/L	99
54) o-Xylene	12.160	106	238455	24.470	ug/L	98
55) Styrene	12.178	104	412402	24.995	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	107787	27.148	ug/L	100
59) Bromoform	12.349	173	61904	27.008	ug/L	99
60) Isopropylbenzene	12.465	105	655881	23.973	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	79795	27.780	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	569978	25.841	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	561849	25.422	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	281456	24.830	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	279121	24.954	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	246766	25.262	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	18332	27.326	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	167150	22.675	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	139287	23.205	ug/L	95
71) Naphthalene	15.360	128	246694	22.483	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	109178	21.184	ug/L	99

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

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