

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091823\
 Data File : VW027137.D
 Acq On : 18 Sep 2023 19:15
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025505

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Quant Time: Sep 18 22:40:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 18 22:36:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	526758	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	520881	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	308458	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	182625	21.548	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.200%		
7) Chloroethane-d5	2.893	69	150870m	23.051	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	92.200%		
11) 1,1-Dichloroethene-d2	4.021	65	82621	22.738	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.960%		
21) 2-Butanone-d5	7.075	46	76563	48.787	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	97.580%		
24) Chloroform-d	7.648	84	387182	24.466	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	97.880%		
26) 1,2-Dichloroethane-d4	8.301	65	186082	24.098	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	96.400%		
32) Benzene-d6	8.276	84	827532	24.600	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.400%		
36) 1,2-Dichloropropane-d6	9.270	67	233327	24.513	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.040%		
41) Toluene-d8	10.325	98	760835	25.413	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	101.640%		
43) trans-1,3-Dichloroprop...	10.575	79	94456	24.557	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	98.240%		
47) 2-Hexanone-d5	10.922	63	62191	54.223	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	108.440%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	188702	24.743	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	98.960%		
66) 1,2-Dichlorobenzene-d4	13.849	152	252278	22.902	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	91.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	136652m	22.806	ug/L	
3) Chloromethane	2.223	50	145982	22.704	ug/L	99
5) Vinyl chloride	2.375	62	190327	21.755	ug/L	95
6) Bromomethane	2.783	94	134479	22.134	ug/L	97
8) Chloroethane	2.936	64	116069	22.751	ug/L	94
9) Trichlorofluoromethane	3.265	101	155220	22.847	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	188316	24.056	ug/L #	75
12) 1,1-Dichloroethene	4.045	96	181909	23.679	ug/L	92
13) Acetone	4.125	43	57580	38.838	ug/L	100
14) Carbon disulfide	4.393	76	589733	23.027	ug/L	99
15) Methyl Acetate	4.673	43	66806	22.839	ug/L	98
16) Methylene chloride	4.917	84	233080	23.257	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	201051	24.116	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	288083	26.007	ug/L	99
19) 1,1-Dichloroethane	6.216	63	354835	24.272	ug/L	100
20) cis-1,2-Dichloroethene	7.167	96	220141	25.107	ug/L	96
22) 2-Butanone	7.173	43	92564	46.218	ug/L	96
23) Bromochloromethane	7.514	128	99057	24.539	ug/L	94
25) Chloroform	7.679	83	360693	24.023	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	227272	24.980	ug/L	99
29) Cyclohexane	7.959	56	309803	24.849	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	286650	23.286	ug/L	98
31) Carbon tetrachloride	8.069	117	259765	23.812	ug/L	99
33) Benzene	8.325	78	852239	24.772	ug/L	100
34) Trichloroethene	9.093	95	216380	23.799	ug/L	96
35) Methylcyclohexane	9.337	83	374621	24.156	ug/L	99
37) 1,2-Dichloropropane	9.368	63	205457	24.048	ug/L	100
38) Bromodichloromethane	9.642	83	257112	24.608	ug/L	94
39) cis-1,3-Dichloropropene	10.069	75	318401	24.879	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	189955	49.575	ug/L	98
42) Toluene	10.386	91	907512	24.964	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	264695	24.645	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	159128	24.206	ug/L	97
46) Tetrachloroethene	10.861	164	175535	22.906	ug/L	87
48) 2-Hexanone	10.965	43	132170	47.832	ug/L	99
49) Dibromochloromethane	11.130	129	160244	23.292	ug/L	88
50) 1,2-Dibromoethane	11.233	107	146833	24.338	ug/L	96
51) Chlorobenzene	11.654	112	576739	24.040	ug/L	96
52) Ethylbenzene	11.727	91	1004523	25.194	ug/L	99
53) m,p-Xylene	11.837	106	401341	26.248	ug/L	96
54) o-Xylene	12.166	106	373493	25.641	ug/L	100
55) Styrene	12.178	104	658889	26.399	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.715	83	189303	24.577	ug/L	99
59) Bromoform	12.349	173	105487	23.606	ug/L	99
60) Isopropylbenzene	12.459	105	1008256	24.398	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	131308	22.825	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	826541	24.992	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	814417	25.415	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	456219	23.345	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	456113	22.457	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	404958	22.672	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.483	75	26041	20.441	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.623	180	308123	21.904	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	259306	23.259	ug/L	96
71) Naphthalene	15.360	128	427745	23.063	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	217265	21.587	ug/L	96

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

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