

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092123\
 Data File : VW027167.D
 Acq On : 21 Sep 2023 18:09
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025509

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/22/2023
 Supervised By : Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 01:18:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 00:52:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	596060	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	571979	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	307983	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	320616	33.431	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 133.720%	
7) Chloroethane-d5	2.893	69	263109	35.526	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 142.120%	
11) 1,1-Dichloroethene-d2	4.021	65	104000	25.294	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 101.160%	
21) 2-Butanone-d5	7.075	46	125733	70.804	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 141.600%#	
24) Chloroform-d	7.648	84	468693	26.173	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 104.680%	
26) 1,2-Dichloroethane-d4	8.307	65	247294	28.302	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 113.200%	
32) Benzene-d6	8.270	84	999025	27.045	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 108.200%	
36) 1,2-Dichloropropane-d6	9.276	67	311084	29.763	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 119.040%	
41) Toluene-d8	10.319	98	873280	26.563	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 106.240%	
43) trans-1,3-Dichloroprop...	10.575	79	114109	27.016	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.080%	
47) 2-Hexanone-d5	10.922	63	85229	67.671	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 135.340%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	225874	26.971	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 107.880%	
66) 1,2-Dichlorobenzene-d4	13.849	152	249662	22.699	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 90.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	152299m	22.462	ug/L	
3) Chloromethane	2.223	50	318402	43.763	ug/L	100
5) Vinyl chloride	2.375	62	360088	36.373	ug/L	98
6) Bromomethane	2.790	94	202919	29.515	ug/L	98
8) Chloroethane	2.930	64	227128	39.343	ug/L	98
9) Trichlorofluoromethane	3.265	101	195250	25.398	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	219319	24.759	ug/L	97
12) 1,1-Dichloroethene	4.045	96	212867	24.487	ug/L	94
13) Acetone	4.112	43	101355	60.415	ug/L	91
14) Carbon disulfide	4.387	76	711419	24.549	ug/L	98
15) Methyl Acetate	4.667	43	107686	32.534	ug/L	90
16) Methylene chloride	4.917	84	293392	25.872	ug/L	91
17) trans-1,2-Dichloroethene	5.423	96	234928	24.904	ug/L	86
18) Methyl tert-butyl Ether	5.423	73	350883	27.994	ug/L	94
19) 1,1-Dichloroethane	6.216	63	480843	29.067	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	259398	26.144	ug/L	86
22) 2-Butanone	7.167	43	140136	61.836	ug/L	90
23) Bromochloromethane	7.514	128	109658	24.007	ug/L #	77
25) Chloroform	7.679	83	458869	27.009	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	308275	29.944	ug/L	96
29) Cyclohexane	7.959	56	423764	30.953	ug/L	89
30) 1,1,1-Trichloroethane	7.874	97	354526	26.227	ug/L #	93
31) Carbon tetrachloride	8.069	117	311485	26.002	ug/L	98
33) Benzene	8.325	78	1062788	28.132	ug/L	100
34) Trichloroethene	9.093	95	254054	25.447	ug/L	96
35) Methylcyclohexane	9.337	83	457533	26.867	ug/L	92
37) 1,2-Dichloropropane	9.368	63	286361	30.523	ug/L	98
38) Bromodichloromethane	9.642	83	323616	28.206	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	405823	28.878	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	310096	73.700	ug/L #	90
42) Toluene	10.386	91	1114094	27.909	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	334486	28.361	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	190749	26.424	ug/L	98
46) Tetrachloroethene	10.861	164	189875	22.564	ug/L	82
48) 2-Hexanone	10.965	43	205255	67.645	ug/L	93
49) Dibromochloromethane	11.123	129	190656	25.237	ug/L	98
50) 1,2-Dibromoethane	11.233	107	163516	24.682	ug/L	88
51) Chlorobenzene	11.660	112	639873	24.289	ug/L	92
52) Ethylbenzene	11.727	91	1192078	27.228	ug/L	99
53) m,p-Xylene	11.837	106	437596	26.062	ug/L	89
54) o-Xylene	12.166	106	414964	25.943	ug/L	90
55) Styrene	12.178	104	732088	26.711	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.708	83	229470	27.131	ug/L	97
59) Bromoform	12.349	173	103098	23.107	ug/L	97
60) Isopropylbenzene	12.465	105	1170231	28.361	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	165700	28.848	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	936104	28.349	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	854522	26.708	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	464146	23.788	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	474661	23.406	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	426804	23.932	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.483	75	30361	23.869	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	324612	23.111	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	254937	22.902	ug/L	99
71) Naphthalene	15.360	128	437120	23.605	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	230644	22.952	ug/L	99

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

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