

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071923\
 Data File : VW026626.D
 Acq On : 19 Jul 2023 16:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025564

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/20/2023
 Supervised By : Mahesh Dadoda 07/20/2023

Quant Time: Jul 20 01:58:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 20 01:56:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	659317	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	595464	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	292197	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	208329	18.732	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.920%
7) Chloroethane-d5	2.893	69	165764	21.241	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.960%
11) 1,1-Dichloroethene-d2	4.021	65	101853	19.502	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.000%
21) 2-Butanone-d5	7.075	46	149384	41.562	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.120%
24) Chloroform-d	7.648	84	463281	24.406	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.640%
26) 1,2-Dichloroethane-d4	8.307	65	247506	23.352	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	8.276	84	926267	22.660	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.640%
36) 1,2-Dichloropropane-d6	9.276	67	288175	22.927	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.720%
41) Toluene-d8	10.325	98	809971	23.102	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	10.575	79	112319	22.299	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.200%
47) 2-Hexanone-d5	10.922	63	100456	40.959	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.920%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	229589	21.570	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.280%
66) 1,2-Dichlorobenzene-d4	13.848	152	246240	22.953	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	172948m	23.254	ug/L	
3) Chloromethane	2.222	50	238960	22.487	ug/L	100
5) Vinyl chloride	2.381	62	244244	21.809	ug/L	98
6) Bromomethane	2.789	94	137395	23.078	ug/L	99
8) Chloroethane	2.930	64	148073	23.645	ug/L	99
9) Trichlorofluoromethane	3.265	101	180653	21.779	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	224948m	24.435	ug/L	
12) 1,1-Dichloroethene	4.045	96	203003	22.984	ug/L	93
13) Acetone	4.118	43	114411	44.253	ug/L	95
14) Carbon disulfide	4.393	76	699340	22.587	ug/L	99
15) Methyl Acetate	4.667	43	127128	20.466	ug/L	98
16) Methylene chloride	4.923	84	281475	24.166	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	232849	24.656	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	346107	23.417	ug/L	99
19) 1,1-Dichloroethane	6.216	63	486308	25.756	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	253009	25.872	ug/L	98
22) 2-Butanone	7.167	43	171814	43.640	ug/L	99
23) Bromochloromethane	7.514	128	106348	25.388	ug/L	97
25) Chloroform	7.673	83	447311	25.857	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	313168	25.715	ug/L	99
29) Cyclohexane	7.959	56	432411	23.323	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	354337	24.278	ug/L	99
31) Carbon tetrachloride	8.069	117	318959	24.075	ug/L	99
33) Benzene	8.325	78	1025746	25.000	ug/L	100
34) Trichloroethene	9.093	95	256233	24.312	ug/L	97
35) Methylcyclohexane	9.337	83	449732	23.765	ug/L	99
37) 1,2-Dichloropropane	9.367	63	276396	25.367	ug/L	99
38) Bromodichloromethane	9.648	83	310655	25.095	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	394330	25.138	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	345346	41.993	ug/L	100
42) Toluene	10.386	91	1058716	25.552	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	331840	25.082	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	183315	24.106	ug/L	99
46) Tetrachloroethene	10.861	164	179160	23.945	ug/L	94
48) 2-Hexanone	10.965	43	246161	42.891	ug/L	96
49) Dibromochloromethane	11.129	129	189381	25.151	ug/L	95
50) 1,2-Dibromoethane	11.233	107	167858	23.416	ug/L	98
51) Chlorobenzene	11.654	112	645149	25.395	ug/L	98
52) Ethylbenzene	11.727	91	1184038	25.668	ug/L	99
53) m,p-Xylene	11.837	106	440279	26.235	ug/L	92
54) o-Xylene	12.166	106	406002	25.775	ug/L	99
55) Styrene	12.178	104	714228	26.882	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.714	83	227564	22.802	ug/L	97
59) Bromoform	12.343	173	106121	22.963	ug/L	95
60) Isopropylbenzene	12.458	105	1149223	25.420	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	166358	21.079	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	931009	26.849	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	915574	26.632	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	464616	24.492	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	482835	25.521	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	437024	26.030	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.482	75	37016	19.706	ug/L	87
69) 1,3,5-Trichlorobenzene	14.623	180	295065	23.504	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	250614	24.327	ug/L	97
71) Naphthalene	15.360	128	511150	21.910	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	222223	22.913	ug/L	95

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

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