

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070723\
 Data File : VW026571.D
 Acq On : 07 Jul 2023 16:32
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025553

Quant Time: Jul 08 05:41:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jul 08 05:36:55 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

07/10/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	587239	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	520117	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	254479	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.357	65	175197	19.841	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.360%
7) Chloroethane-d5	2.881	69	131411	17.988	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.960%
11) 1,1-Dichloroethene-d2	4.015	65	89938	21.837	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.360%
21) 2-Butanone-d5	7.075	46	181076	53.604	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.200%
24) Chloroform-d	7.642	84	364157	21.049	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	8.301	65	206059	20.478	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.920%
32) Benzene-d6	8.270	84	768402	23.171	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.680%
36) 1,2-Dichloropropane-d6	9.270	67	238861	22.592	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.360%
41) Toluene-d8	10.319	98	676875	22.736	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.960%
43) trans-1,3-Dichloroprop...	10.575	79	94381	22.010	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.040%
47) 2-Hexanone-d5	10.922	63	115806	55.012	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.020%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	220781	23.865	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.440%
66) 1,2-Dichlorobenzene-d4	13.848	152	210038	20.782	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.120%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	141116	21.084	ug/L	98
3) Chloromethane	2.222	50	211850	19.573	ug/L	98
5) Vinyl chloride	2.369	62	201248	18.880	ug/L	98
6) Bromomethane	2.777	94	102794	16.517	ug/L	97
8) Chloroethane	2.924	64	111782	17.408	ug/L	99
9) Trichlorofluoromethane	3.259	101	174108m	25.409	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	173581	21.666	ug/L	99
12) 1,1-Dichloroethene	4.033	96	168039	22.677	ug/L	91
13) Acetone	4.112	43	207391	98.990	ug/L	98
14) Carbon disulfide	4.381	76	508614	21.621	ug/L	98
15) Methyl Acetate	4.661	43	145117	27.839	ug/L	99
16) Methylene chloride	4.911	84	212545	20.310	ug/L	98
17) trans-1,2-Dichloroethene	5.417	96	178656	21.424	ug/L	97
18) Methyl tert-butyl Ether	5.417	73	281010	19.274	ug/L	98
19) 1,1-Dichloroethane	6.210	63	369365	20.568	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	194699	20.350	ug/L	97
22) 2-Butanone	7.167	43	205533	52.710	ug/L	99
23) Bromochloromethane	7.508	128	81116	20.472	ug/L	94
25) Chloroform	7.673	83	342443	21.278	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	240211	20.256	ug/L	99
29) Cyclohexane	7.953	56	342186	23.615	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	270880	23.148	ug/L	98
31) Carbon tetrachloride	8.069	117	241116	22.854	ug/L	100
33) Benzene	8.319	78	771637	22.908	ug/L	100
34) Trichloroethene	9.087	95	197948	23.040	ug/L	97
35) Methylcyclohexane	9.331	83	350843	23.908	ug/L	99
37) 1,2-Dichloropropane	9.367	63	208442	22.588	ug/L	100
38) Bromodichloromethane	9.642	83	233032	21.401	ug/L #	99
39) cis-1,3-Dichloropropene	10.069	75	308565	22.677	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	403305	56.480	ug/L	100
42) Toluene	10.386	91	790150	23.046	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	262309	23.003	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	151458	22.328	ug/L	97
46) Tetrachloroethene	10.861	164	137104	22.742	ug/L	93
48) 2-Hexanone	10.965	43	304728	61.200	ug/L	96
49) Dibromochloromethane	11.123	129	146897	21.614	ug/L	99
50) 1,2-Dibromoethane	11.233	107	143355	23.044	ug/L	99
51) Chlorobenzene	11.654	112	482661	21.538	ug/L	96
52) Ethylbenzene	11.727	91	895153	22.110	ug/L	98
53) m,p-Xylene	11.837	106	336804	22.751	ug/L	93
54) o-Xylene	12.166	106	307731	21.455	ug/L	96
55) Styrene	12.178	104	550176	22.430	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	215253	24.238	ug/L	97
59) Bromoform	12.349	173	87314	21.873	ug/L #	99
60) Isopropylbenzene	12.458	105	897374	22.991	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	165463	24.957	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	737411	22.914	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	714856	23.092	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	364926	21.976	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	365364	22.066	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	323641	20.689	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	41203	24.644	ug/L	99
69) 1,3,5-Trichlorobenzene	14.623	180	253696	22.968	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	201954	22.413	ug/L	99
71) Naphthalene	15.360	128	517615	25.669	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	196853	24.452	ug/L	97

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

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