

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081123\
 Data File : VD076978.D
 Acq On : 11 Aug 2023 09:12
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025179

Quant Time: Aug 12 02:09:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 11 02:51:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/15/2023
 Supervised By :Mahesh Dadoda 08/15/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	274149	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	281116	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	149173	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	148327	19.674	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.680%
7) Chloroethane-d5	2.799	69	149374	21.432	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.720%
11) 1,1-Dichloroethene-d2	3.911	65	37871	21.199	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.800%
21) 2-Butanone-d5	6.987	46	60081	49.636	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.280%
24) Chloroform-d	7.563	84	217528	24.367	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.480%
26) 1,2-Dichloroethane-d4	8.228	65	109302	24.561	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.240%
32) Benzene-d6	8.199	84	419107	23.712	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.840%
36) 1,2-Dichloropropane-d6	9.205	67	128126	23.578	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.320%
41) Toluene-d8	10.269	98	400853	24.737	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.960%
43) trans-1,3-Dichloroprop...	10.522	79	57710	23.490	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.960%
47) 2-Hexanone-d5	10.875	63	55424	53.393	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.780%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	131357	25.015	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.080%
66) 1,2-Dichlorobenzene-d4	13.816	152	134842	24.725	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	108740	23.930	ug/L	100
3) Chloromethane	2.146	50	137099	23.256	ug/L	100
5) Vinyl chloride	2.281	62	201922	23.952	ug/L	96
6) Bromomethane	2.693	94	163501	25.982	ug/L	95
8) Chloroethane	2.834	64	142189	25.054	ug/L	98
9) Trichlorofluoromethane	3.175	101	188375	26.988	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	118432	26.039	ug/L	99
12) 1,1-Dichloroethene	3.940	96	105650	26.196	ug/L #	76
13) Acetone	4.022	43	84089	67.936	ug/L	95
14) Carbon disulfide	4.269	76	366108	26.155	ug/L	98
15) Methyl Acetate	4.564	43	53317m	25.485	ug/L	
16) Methylene chloride	4.793	84	135202	23.511	ug/L	78
17) trans-1,2-Dichloroethene	5.311	96	120215	26.325	ug/L	85
18) Methyl tert-butyl Ether	5.322	73	256028	25.378	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	192760	25.281	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	131565	25.809	ug/L	88
22) 2-Butanone	7.081	43	94734	54.704	ug/L	83
23) Bromochloromethane	7.422	128	65179	26.362	ug/L #	76
25) Chloroform	7.599	83	212550	25.453	ug/L	98

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27) 1,2-Dichloroethane	8.328	62	136491	26.079	ug/L	99
29) Cyclohexane	7.875	56	156313	25.259	ug/L #	79
30) 1,1,1-Trichloroethane	7.793	97	183893	26.400	ug/L	96
31) Carbon tetrachloride	7.987	117	155836	27.336	ug/L	98
33) Benzene	8.252	78	479466	26.020	ug/L	100
34) Trichloroethene	9.028	95	123029	25.638	ug/L	97
35) Methylcyclohexane	9.269	83	209271	26.742	ug/L	89
37) 1,2-Dichloropropane	9.305	63	119015	25.426	ug/L #	97
38) Bromodichloromethane	9.581	83	163885	25.424	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	192707	25.509	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	153592	52.078	ug/L #	89
42) Toluene	10.334	91	528137	26.358	ug/L	96
44) trans-1,3-Dichloropropene	10.552	75	168399	25.506	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	109610	26.348	ug/L	96
46) Tetrachloroethene	10.810	164	100304	27.734	ug/L	98
48) 2-Hexanone	10.922	43	134599	59.345	ug/L #	87
49) Dibromochloromethane	11.075	129	123981	26.789	ug/L	95
50) 1,2-Dibromoethane	11.181	107	104569	25.773	ug/L	89
51) Chlorobenzene	11.604	112	342142	26.209	ug/L	95
52) Ethylbenzene	11.687	91	570872	26.737	ug/L	98
53) m,p-Xylene	11.793	106	220905	26.814	ug/L	93
54) o-Xylene	12.122	106	210927	26.620	ug/L	100
55) Styrene	12.134	104	386853	27.003	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.675	83	135726	26.379	ug/L	95
59) Bromoform	12.298	173	78439	26.514	ug/L #	98
60) Isopropylbenzene	12.422	105	559025	26.057	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	87066	25.008	ug/L	94
62) 1,3,5-Trimethylbenzene	12.904	105	432443	26.460	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	429414	26.401	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	252016	25.739	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	264458	26.130	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	230842	25.150	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	19777	24.792	ug/L	92
69) 1,3,5-Trichlorobenzene	14.592	180	160845	26.251	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	137097	25.436	ug/L	98
71) Naphthalene	15.334	128	327187	25.817	ug/L	98
72) 1,2,3-Trichlorobenzene	15.528	180	130717	26.743	ug/L	99

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

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