

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111323\
 Data File : VD077551.D
 Acq On : 13 Nov 2023 16:30
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025206

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 16 00:42:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 10 02:07:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	341328	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	313908	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	150730	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	176329	20.308	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.240%
7) Chloroethane-d5	2.810	69	148894	21.828	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.320%
11) 1,1-Dichloroethene-d2	3.934	65	54296m	20.223	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.880%
21) 2-Butanone-d5	6.987	46	84686	56.333	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.660%
24) Chloroform-d	7.569	84	232097	23.539	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.160%
26) 1,2-Dichloroethane-d4	8.234	65	132518	25.267	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.080%
32) Benzene-d6	8.204	84	468583	22.999	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	9.210	67	158479	23.881	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.520%
41) Toluene-d8	10.269	98	420798	22.857	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.440%
43) trans-1,3-Dichloroprop...	10.528	79	69364	24.242	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.960%
47) 2-Hexanone-d5	10.875	63	66952	56.396	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.800%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	116119	26.409	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.640%
66) 1,2-Dichlorobenzene-d4	13.816	152	130992	24.429	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	119897	21.811	ug/L	98
3) Chloromethane	2.152	50	182376	23.061	ug/L	99
5) Vinyl chloride	2.293	62	198838	22.276	ug/L	99
6) Bromomethane	2.704	94	103560	21.792	ug/L	96
8) Chloroethane	2.846	64	126637	22.820	ug/L	90
9) Trichlorofluoromethane	3.187	101	187791	23.117	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	113402	22.685	ug/L	100
12) 1,1-Dichloroethene	3.946	96	106012	21.840	ug/L	90
13) Acetone	4.022	43	95534	60.457	ug/L	96
14) Carbon disulfide	4.281	76	378679	21.666	ug/L	99
15) Methyl Acetate	4.569	43	66763	25.682	ug/L #	79
16) Methylene chloride	4.810	84	124912	21.675	ug/L	95
17) trans-1,2-Dichloroethene	5.316	96	113410	22.211	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	297739	24.845	ug/L	99
19) 1,1-Dichloroethane	6.122	63	240215	23.448	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	131414	23.690	ug/L	99
22) 2-Butanone	7.081	43	99107	52.126	ug/L	97
23) Bromochloromethane	7.428	128	51509	23.109	ug/L	93
25) Chloroform	7.598	83	224411	23.846	ug/L	96

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27) 1,2-Dichloroethane	8.328	62	152629	24.465	ug/L	96
29) Cyclohexane	7.881	56	222177	21.799	ug/L	99
30) 1,1,1-Trichloroethane	7.798	97	187824	22.856	ug/L	100
31) Carbon tetrachloride	7.992	117	160719	22.757	ug/L	99
33) Benzene	8.251	78	500220	22.979	ug/L	100
34) Trichloroethene	9.028	95	122390	22.690	ug/L	94
35) Methylcyclohexane	9.275	83	212950	21.877	ug/L	99
37) 1,2-Dichloropropane	9.304	63	142974	23.626	ug/L	98
38) Bromodichloromethane	9.586	83	163050	23.489	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	220733	23.737	ug/L	98
40) 4-Methyl-2-pentanone	10.163	43	189220	51.310	ug/L	99
42) Toluene	10.334	91	527701	23.089	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	189197	24.623	ug/L	98
45) 1,1,2-Trichloroethane	10.733	97	92274	24.945	ug/L	99
46) Tetrachloroethene	10.810	164	86160	21.709	ug/L	93
48) 2-Hexanone	10.922	43	157526	53.890	ug/L	99
49) Dibromochloromethane	11.075	129	100943	24.023	ug/L	95
50) 1,2-Dibromoethane	11.181	107	84382	23.854	ug/L	98
51) Chlorobenzene	11.610	112	310758	23.209	ug/L	98
52) Ethylbenzene	11.686	91	577874	22.979	ug/L	97
53) m,p-Xylene	11.792	106	210626	23.017	ug/L	96
54) o-Xylene	12.122	106	203882	23.262	ug/L	92
55) Styrene	12.139	104	357673	23.373	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	111964	25.693	ug/L	97
59) Bromoform	12.304	173	61975	24.116	ug/L	99
60) Isopropylbenzene	12.422	105	550843	22.593	ug/L	99
61) 1,2,3-Trichloropropane	12.727	75	78128	24.334	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	417605	22.568	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	428386	22.855	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	228692	22.864	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	231285	22.912	ug/L	97
67) 1,2-Dichlorobenzene	13.833	146	205230	23.208	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	17883	25.607	ug/L	96
69) 1,3,5-Trichlorobenzene	14.598	180	151825	22.293	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	130069	22.660	ug/L	100
71) Naphthalene	15.333	128	258273	23.875	ug/L	99
72) 1,2,3-Trichlorobenzene	15.521	180	113227	23.135	ug/L	100

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

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