

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113023\
 Data File : VD077716.D
 Acq On : 30 Nov 2023 19:35
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025224

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/01/2023
 Supervised By :Semsettin Yesilyurt 12/01/2023

Quant Time: Nov 30 23:03:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Nov 30 23:00:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	290291	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	268740	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	138179	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	163047	20.596	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	82.400%		
7) Chloroethane-d5	2.811	69	139865	22.166	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.680%		
11) 1,1-Dichloroethene-d2	3.928	65	46323	22.568	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.280%		
21) 2-Butanone-d5	6.993	46	44607	44.584	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	89.160%		
24) Chloroform-d	7.569	84	192785	24.641	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.560%		
26) 1,2-Dichloroethane-d4	8.234	65	95438	24.076	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	96.320%		
32) Benzene-d6	8.204	84	399037	24.654	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.600%		
36) 1,2-Dichloropropane-d6	9.210	67	120256	24.351	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	97.400%		
41) Toluene-d8	10.269	98	372974	25.036	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	100.160%		
43) trans-1,3-Dichloroprop...	10.528	79	52527	24.053	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	96.200%		
47) 2-Hexanone-d5	10.875	63	39689	46.640	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.280%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	87247	24.448	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.800%		
66) 1,2-Dichlorobenzene-d4	13.816	152	118157	23.903	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	105433	22.751	ug/L	97
3) Chloromethane	2.152	50	138262	20.767	ug/L	100
5) Vinyl chloride	2.287	62	176195	21.247	ug/L	99
6) Bromomethane	2.699	94	75017	17.076	ug/L	97
8) Chloroethane	2.846	64	117050	22.612	ug/L	95
9) Trichlorofluoromethane	3.181	101	158453	22.403	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	99612	23.874	ug/L	99
12) 1,1-Dichloroethene	3.952	96	88884	22.509	ug/L	95
13) Acetone	4.022	43	52125	40.662	ug/L	98
14) Carbon disulfide	4.281	76	325695	23.274	ug/L	99
15) Methyl Acetate	4.569	43	36299	19.781	ug/L	99
16) Methylene chloride	4.805	84	106663	20.694	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	98636	23.958	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	199610	21.994	ug/L	99
19) 1,1-Dichloroethane	6.110	63	180802m	23.301	ug/L	
20) cis-1,2-Dichloroethene	7.081	96	105353	23.028	ug/L	97
22) 2-Butanone	7.081	43	60635	42.026	ug/L #	65
23) Bromochloromethane	7.428	128	45048	23.651	ug/L	97
25) Chloroform	7.599	83	178912	23.420	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	112224	23.486	ug/L	100
29) Cyclohexane	7.881	56	159698	22.520	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	154145	23.441	ug/L	99
31) Carbon tetrachloride	7.993	117	136791	23.654	ug/L	98
33) Benzene	8.252	78	408080	23.330	ug/L	100
34) Trichloroethene	9.028	95	102210	23.540	ug/L	98
35) Methylcyclohexane	9.275	83	179846	23.331	ug/L	98
37) 1,2-Dichloropropane	9.304	63	105909	23.223	ug/L	99
38) Bromodichloromethane	9.587	83	129946	23.431	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	164004	23.028	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	105047	41.741	ug/L	96
42) Toluene	10.334	91	442038	23.793	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	135439	22.768	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	72179	23.566	ug/L	94
46) Tetrachloroethene	10.810	164	77763	22.210	ug/L	89
48) 2-Hexanone	10.922	43	86288	40.339	ug/L	93
49) Dibromochloromethane	11.075	129	83322	22.878	ug/L	94
50) 1,2-Dibromoethane	11.181	107	67279	22.777	ug/L #	99
51) Chlorobenzene	11.610	112	275127	23.882	ug/L	98
52) Ethylbenzene	11.687	91	483830	23.492	ug/L	97
53) m,p-Xylene	11.798	106	183195	23.540	ug/L	98
54) o-Xylene	12.122	106	176837	23.744	ug/L	99
55) Styrene	12.140	104	311547	23.906	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.675	83	82075	22.615	ug/L	98
59) Bromoform	12.304	173	51850	22.679	ug/L #	97
60) Isopropylbenzene	12.422	105	482194	23.380	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	55161	21.703	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	358708	23.157	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	364300	23.195	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	207849	23.303	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	212609	22.971	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	186707	23.262	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	12011	20.041	ug/L	92
69) 1,3,5-Trichlorobenzene	14.592	180	136971	22.552	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	114134	22.136	ug/L	98
71) Naphthalene	15.333	128	203608	21.600	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	101063	22.359	ug/L	97

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

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