

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076678.D
 Acq On : 30 Jun 2023 22:19
 Operator : KP/SY
 Sample : 03444-08MS
 Misc : 4.60G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46Q1MS

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/03/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 03 01:33:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	221244	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	151066	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	45513	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	101338	18.808	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.240%		
7) Chloroethane-d5	2.793	69	90642	20.806	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.240%		
11) 1,1-Dichloroethene-d2	3.905	65	30816	21.911	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	87.640%		
21) 2-Butanone-d5	6.981	46	31730	38.885	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	77.780%		
24) Chloroform-d	7.569	84	139441	23.922	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	95.680%		
26) 1,2-Dichloroethane-d4	8.228	65	70820	24.628	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.520%		
32) Benzene-d6	8.198	84	258243	27.945	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	111.800%		
36) 1,2-Dichloropropane-d6	9.210	67	80613	27.329	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	109.320%		
41) Toluene-d8	10.269	98	212786	24.868	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	99.480%		
43) trans-1,3-Dichloroprop...	10.528	79	30438	24.809	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	99.240%		
47) 2-Hexanone-d5	10.881	63	22646	49.458	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.920%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	49449	23.563	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	94.240%		
66) 1,2-Dichlorobenzene-d4	13.816	152	37713	22.606	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	107938	31.309	ug/L	99
3) Chloromethane	2.140	50	140920	24.588	ug/L	99
5) Vinyl chloride	2.281	62	151941	24.575	ug/L	94
6) Bromomethane	2.687	94	79573	23.237	ug/L	98
8) Chloroethane	2.834	64	93968	24.812	ug/L	97
9) Trichlorofluoromethane	3.169	101	142101	31.788	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.957	101	65875	22.718	ug/L #	86
12) 1,1-Dichloroethene	3.928	96	76851	26.765	ug/L	94
13) Acetone	4.022	43	48455	73.521	ug/L	71
14) Carbon disulfide	4.263	76	224064	21.527	ug/L	98
15) Methyl Acetate	4.563	43	28529	18.962	ug/L	94
16) Methylene chloride	4.787	84	88115	22.914	ug/L	79
17) trans-1,2-Dichloroethene	5.310	96	81260	25.384	ug/L	94
18) Methyl tert-butyl Ether	5.310	73	180930	24.826	ug/L #	89
19) 1,1-Dichloroethane	6.110	63	151471	25.881	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	88594	24.781	ug/L	99
22) 2-Butanone	7.087	43	47147	44.328	ug/L	95
23) Bromochloromethane	7.422	128	38283	25.230	ug/L	86
25) Chloroform	7.593	83	155312	27.191	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	93193	26.531	ug/L	95
29) Cyclohexane	7.875	56	62571	15.576	ug/L	89
30) 1,1,1-Trichloroethane	7.787	97	130504	37.187	ug/L	96
31) Carbon tetrachloride	7.987	117	94048	33.509	ug/L	98
33) Benzene	8.245	78	313818	31.388	ug/L	100
34) Trichloroethene	9.022	95	76076	29.621	ug/L	94
35) Methylcyclohexane	9.269	83	42449	10.249	ug/L	95
37) 1,2-Dichloropropane	9.304	63	80464	29.519	ug/L	99
38) Bromodichloromethane	9.581	83	102697	33.032	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	116530	27.997	ug/L	95
40) 4-Methyl-2-pentanone	10.157	43	85495	50.418	ug/L	97
42) Toluene	10.334	91	295507	27.658	ug/L	95
44) trans-1,3-Dichloropropene	10.551	75	90451	26.735	ug/L	98
45) 1,1,2-Trichloroethane	10.728	97	54643	29.226	ug/L	99
46) Tetrachloroethene	10.810	164	39523	19.574	ug/L	97
48) 2-Hexanone	10.922	43	62583	53.888	ug/L #	94
49) Dibromochloromethane	11.075	129	62726	29.521	ug/L	99
50) 1,2-Dibromoethane	11.181	107	51737	28.510	ug/L	95
51) Chlorobenzene	11.604	112	161688	24.239	ug/L	97
52) Ethylbenzene	11.681	91	252246	21.904	ug/L	99
53) m,p-Xylene	11.792	106	91188	20.149	ug/L	96
54) o-Xylene	12.116	106	89922	20.868	ug/L	92
55) Styrene	12.134	104	146411	19.666	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	49729	23.273	ug/L	92
59) Bromoform	12.298	173	32595	40.006	ug/L #	97
60) Isopropylbenzene	12.422	105	179061	25.722	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	37849	42.850	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	118007	21.187	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	124205	22.599	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	68074	21.981	ug/L #	93
65) 1,4-Dichlorobenzene	13.533	146	71923	23.039	ug/L	90
67) 1,2-Dichlorobenzene	13.828	146	63514	23.021	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	14.445	75	6781	34.448	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	22295	10.793	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	19796	10.770	ug/L #	57
71) Naphthalene	15.333	128	65232	18.537	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.527	180	26538m	16.626	ug/L	

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

