

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076685.D
 Acq On : 03 Jul 2023 11:56
 Operator : KP/SY
 Sample : 03444-09MSD
 Misc : 3.68G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46Q1MSD

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/05/2023
 Supervised By :Mahesh Dadoda 07/05/2023

Quant Time: Jul 04 01:09:44 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	238363	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	203524	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	83599	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	106092	18.277	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	73.120%		
7) Chloroethane-d5	2.793	69	89066	18.976	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.920%		
11) 1,1-Dichloroethene-d2	3.905	65	30851m	20.361	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	81.440%		
21) 2-Butanone-d5	6.987	46	52208	59.386	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	118.780%		
24) Chloroform-d	7.569	84	146362	23.306	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	93.240%		
26) 1,2-Dichloroethane-d4	8.228	65	82163	26.521	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	106.080%		
32) Benzene-d6	8.199	84	278165	22.343	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.360%		
36) 1,2-Dichloropropane-d6	9.204	67	91290	22.972	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	91.880%		
41) Toluene-d8	10.269	98	248096	21.521	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	86.080%		
43) trans-1,3-Dichloroprop...	10.522	79	43023	26.029	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	104.120%		
47) 2-Hexanone-d5	10.875	63	37469	60.740	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	121.480%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	82104	29.040	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	116.160%		
66) 1,2-Dichlorobenzene-d4	13.816	152	70977	23.163	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	94584	25.465	ug/L	100
3) Chloromethane	2.146	50	132636	21.481	ug/L	98
5) Vinyl chloride	2.275	62	139488	20.941	ug/L	100
6) Bromomethane	2.681	94	63426	17.191	ug/L	97
8) Chloroethane	2.828	64	84106	20.613	ug/L	99
9) Trichlorofluoromethane	3.163	101	127553	26.484	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.952	101	69774	22.335	ug/L	96
12) 1,1-Dichloroethene	3.928	96	70661	22.841	ug/L	98
13) Acetone	4.022	43	61353	86.405	ug/L	99
14) Carbon disulfide	4.263	76	225192	20.082	ug/L	97
15) Methyl Acetate	4.563	43	40506	24.989	ug/L	100
16) Methylene chloride	4.799	84	81013	19.554	ug/L	89
17) trans-1,2-Dichloroethene	5.305	96	73893	21.425	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	199211	25.371	ug/L #	74
19) 1,1-Dichloroethane	6.110	63	137544	21.813	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	84139	21.844	ug/L	98
22) 2-Butanone	7.081	43	65382	57.057	ug/L	97
23) Bromochloromethane	7.422	128	39700	24.285	ug/L	92
25) Chloroform	7.593	83	140726	22.868	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	95445	25.221	ug/L	99
29) Cyclohexane	7.875	56	91299	16.869	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	118081	24.974	ug/L	98
31) Carbon tetrachloride	7.987	117	97540	25.796	ug/L	97
33) Benzene	8.251	78	297399	22.079	ug/L	100
34) Trichloroethene	9.028	95	76654	22.153	ug/L	90
35) Methylcyclohexane	9.275	83	68855	12.340	ug/L	98
37) 1,2-Dichloropropane	9.304	63	82314	22.414	ug/L #	97
38) Bromodichloromethane	9.581	83	106293	25.377	ug/L #	97
39) cis-1,3-Dichloropropene	10.016	75	132990	23.716	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	118146	51.715	ug/L	99
42) Toluene	10.334	91	314872	21.874	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	114786	25.183	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	65937	26.177	ug/L	96
46) Tetrachloroethene	10.810	164	51655	18.989	ug/L	93
48) 2-Hexanone	10.922	43	81664	52.193	ug/L	97
49) Dibromochloromethane	11.069	129	75434	26.351	ug/L	98
50) 1,2-Dibromoethane	11.181	107	64918	26.553	ug/L	90
51) Chlorobenzene	11.604	112	196115	21.822	ug/L	97
52) Ethylbenzene	11.681	91	318281	20.514	ug/L	98
53) m,p-Xylene	11.792	106	118953	19.509	ug/L	94
54) o-Xylene	12.122	106	113902	19.620	ug/L	93
55) Styrene	12.134	104	209640	20.901	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.669	83	77065	26.770	ug/L	94
59) Bromoform	12.298	173	46177	30.855	ug/L #	98
60) Isopropylbenzene	12.422	105	268397	20.990	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	53685	33.089	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	194517	19.014	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	201274	19.937	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	117189	20.601	ug/L	96
65) 1,4-Dichlorobenzene	13.539	146	121455	21.181	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	109317	21.571	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	11424	31.596	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	49106	12.942	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	46902	13.892	ug/L #	88
71) Naphthalene	15.328	128	148818	23.023	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.522	180	40643	13.863	ug/L #	91

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

