

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050924\
 Data File : VV035567.D
 Acq On : 09 May 2024 12:33
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/10/2024
 Supervised By :Semsettin Yesilyurt 05/10/2024

Quant Time: May 09 12:54:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	402723	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	412853	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	203480	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	129894	20.868	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.480%		
7) Chloroethane-d5	1.529	69	115102	22.921	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.680%		
11) 1,1-Dichloroethene-d2	2.056	65	61008	22.139	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	88.560%		
21) 2-Butanone-d5	3.844	46	75320m	42.638	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	85.280%		
24) Chloroform-d	4.246	84	280617	23.438	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	93.760%		
26) 1,2-Dichloroethane-d4	4.941	65	141875	23.970	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	95.880%		
32) Benzene-d6	4.957	84	529173	23.415	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	93.680%		
36) 1,2-Dichloropropane-d6	5.986	67	173524	24.880	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	99.520%		
41) Toluene-d8	7.240	98	450188	22.382	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	89.520%		
43) trans-1,3-Dichloroprop...	7.555	79	62137	20.832	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	83.320%		
47) 2-Hexanone-d5	8.034	63	48709	38.840	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	77.680%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	150322	22.368	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	89.480%		
66) 1,2-Dichlorobenzene-d4	11.558	152	175723	24.884	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	9266	1.132	ug/L	97
3) Chloromethane	1.214	50	11225	1.365	ug/L	96
5) Vinyl chloride	1.282	62	10452	1.231	ug/L #	78
6) Bromomethane	1.487	94	7264	1.351	ug/L	97
8) Chloroethane	1.548	64	6326	1.208	ug/L	100
9) Trichlorofluoromethane	1.712	101	12076	1.089	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	8746	1.250	ug/L	89
12) 1,1-Dichloroethene	2.066	96	8968	1.420	ug/L #	1
13) Acetone	2.172	43	9636m	3.726	ug/L	
14) Carbon disulfide	2.237	76	25389	1.269	ug/L	100
15) Methyl Acetate	2.401	43	4144m	1.058	ug/L	
16) Methylene chloride	2.446	84	21715	2.338	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	7989	1.139	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	15193	0.898	ug/L	96
19) 1,1-Dichloroethane	3.111	63	14584	1.109	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	7549	0.993	ug/L	88
22) 2-Butanone	3.941	43	5257m	2.189	ug/L	
23) Bromochloromethane	4.156	128	3945	1.073	ug/L	92
25) Chloroform	4.278	83	17230	1.269	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	9719	1.150	ug/L	96
29) Cyclohexane	4.574	56	9268	0.939	ug/L	96
30) 1,1,1-Trichloroethane	4.510	97	13018	1.137	ug/L	97
31) Carbon tetrachloride	4.735	117	10945	1.090	ug/L	97
33) Benzene	5.015	78	29131	1.066	ug/L	100
34) Trichloroethene	5.841	95	8321	1.077	ug/L	90
35) Methylcyclohexane	6.047	83	10612	0.904	ug/L	92
37) 1,2-Dichloropropane	6.098	63	7378	1.035	ug/L #	93
38) Bromodichloromethane	6.442	83	10347	1.071	ug/L	95
39) cis-1,3-Dichloropropene	6.969	75	10766	0.966	ug/L	99
40) 4-Methyl-2-pentanone	7.175	43	9529m	2.232	ug/L	
42) Toluene	7.323	91	31665	1.095	ug/L	100
44) trans-1,3-Dichloropropene	7.593	75	9556m	0.980	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6012	0.993	ug/L	95
46) Tetrachloroethene	7.905	164	7205	1.147	ug/L	97
48) 2-Hexanone	8.098	43	7620m	2.380	ug/L	
49) Dibromochloromethane	8.178	129	6672	0.976	ug/L	91
50) 1,2-Dibromoethane	8.291	107	5984	1.003	ug/L	92
51) Chlorobenzene	8.815	112	22494	1.121	ug/L	99
52) Ethylbenzene	8.950	91	29785	0.933	ug/L	99
53) m,p-Xylene	9.079	106	11175	0.923	ug/L	96
54) o-Xylene	9.481	106	9424	0.821	ug/L	95
55) Styrene	9.506	104	16084m	0.803	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	7099	0.962	ug/L #	91
59) Bromoform	9.670	173	3862	0.966	ug/L #	83
60) Isopropylbenzene	9.870	105	25550	0.943	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	5201	1.091	ug/L #	87
62) 1,3,5-Trimethylbenzene	10.477	105	17584	0.827	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	19262	0.882	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	14459	1.016	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	18081	1.228	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	15761	1.177	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.371	75	1334	1.206	ug/L #	73
69) 1,3,5-Trichlorobenzene	12.583	180	11702	1.053	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	8933	0.962	ug/L	98
71) Naphthalene	13.445	128	13379m	0.821	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	7550	0.904	ug/L	96

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

