

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050924\
 Data File : VV035565.D
 Acq On : 09 May 2024 11:15
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

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

Quant Time: May 09 12:34:22 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	5.529	114	374911	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	402374	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	208501	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	115712	19.969	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.880%
7) Chloroethane-d5	1.529	69	98595	21.091	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.360%
11) 1,1-Dichloroethene-d2	2.053	65	53830	20.983	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.920%
21) 2-Butanone-d5	3.834	46	87248m	53.055	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.100%
24) Chloroform-d	4.243	84	252889	22.689	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.760%
26) 1,2-Dichloroethane-d4	4.937	65	132396	24.028	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.120%
32) Benzene-d6	4.953	84	462603	21.003	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	5.985	67	156125	22.969	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.880%
41) Toluene-d8	7.239	98	390743	19.933	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.720%
43) trans-1,3-Dichloroprop...	7.554	79	58844	20.242	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.960%
47) 2-Hexanone-d5	8.030	63	56684	46.376	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.760%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	154885	23.647	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	11.557	152	168951	23.349	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	9169	1.203	ug/L	99
3) Chloromethane	1.214	50	10368	1.355	ug/L	95
5) Vinyl chloride	1.278	62	9722	1.230	ug/L #	76
6) Bromomethane	1.484	94	6583	1.315	ug/L	99
8) Chloroethane	1.548	64	5773	1.185	ug/L	99
9) Trichlorofluoromethane	1.709	101	11939	1.157	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	8742	1.343	ug/L	87
12) 1,1-Dichloroethene	2.063	96	8275	1.407	ug/L #	1
13) Acetone	2.156	43	8317m	3.455	ug/L	
14) Carbon disulfide	2.233	76	23884	1.282	ug/L	98
15) Methyl Acetate	2.391	43	3989m	1.094	ug/L	
16) Methylene chloride	2.442	84	17648	2.041	ug/L	92
17) trans-1,2-Dichloroethene	2.693	96	6932	1.062	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	16353	1.038	ug/L #	81
19) 1,1-Dichloroethane	3.108	63	12808	1.046	ug/L	94
20) cis-1,2-Dichloroethene	3.821	96	6868	0.970	ug/L	90
22) 2-Butanone	3.940	43	4508m	2.017	ug/L	
23) Bromochloromethane	4.156	128	3632	1.061	ug/L #	94
25) Chloroform	4.272	83	15698	1.242	ug/L	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.063	62	8288	1.053	ug/L	96
29) Cyclohexane	4.577	56	8742	0.909	ug/L #	93
30) 1,1,1-Trichloroethane	4.506	97	11262m	1.009	ug/L	
31) Carbon tetrachloride	4.731	117	10737	1.097	ug/L	92
33) Benzene	5.014	78	28268	1.061	ug/L	100
34) Trichloroethene	5.841	95	8177	1.086	ug/L	95
35) Methylcyclohexane	6.043	83	11668m	1.020	ug/L	
37) 1,2-Dichloropropane	6.098	63	7560	1.088	ug/L #	95
38) Bromodichloromethane	6.439	83	9635	1.024	ug/L #	98
39) cis-1,3-Dichloropropene	6.963	75	11205m	1.031	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	9715m	2.335	ug/L	
42) Toluene	7.323	91	28082	0.996	ug/L	98
44) trans-1,3-Dichloropropene	7.593	75	10096	1.062	ug/L	95
45) 1,1,2-Trichloroethane	7.779	97	6389	1.082	ug/L	95
46) Tetrachloroethene	7.905	164	6566	1.073	ug/L	92
48) 2-Hexanone	8.104	43	8217m	2.634	ug/L	
49) Dibromochloromethane	8.178	129	6709	1.007	ug/L	91
50) 1,2-Dibromoethane	8.291	107	6468	1.112	ug/L #	98
51) Chlorobenzene	8.815	112	20502	1.048	ug/L	98
52) Ethylbenzene	8.950	91	26937	0.866	ug/L	99
53) m,p-Xylene	9.078	106	9908m	0.839	ug/L	
54) o-Xylene	9.480	106	8844	0.790	ug/L	98
55) Styrene	9.506	104	14296m	0.733	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	7796	1.084	ug/L #	90
59) Bromoform	9.670	173	4366	1.066	ug/L #	96
60) Isopropylbenzene	9.869	105	23489	0.846	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	5697	1.166	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	16765	0.769	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	16768	0.749	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	14576	1.000	ug/L	95
65) 1,4-Dichlorobenzene	11.207	146	16187	1.073	ug/L	94
67) 1,2-Dichlorobenzene	11.577	146	15236	1.110	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.371	75	1597	1.409	ug/L #	70
69) 1,3,5-Trichlorobenzene	12.583	180	11409	1.002	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	9335	0.982	ug/L	98
71) Naphthalene	13.445	128	13898m	0.832	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	7961	0.930	ug/L #	93

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

