

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090524\
 Data File : VV037207.D
 Acq On : 05 Sep 2024 10:24
 Operator : SY/MD
 Sample : P3391-04
 Misc : 5.00g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Sep 06 01:37:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 06 01:31:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024
 Supervised By :Mahesh Dadoda 09/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	576840	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	558182	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	263359	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170941	16.544	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.160%
7) Chloroethane-d5	1.532	69	141070	17.588	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.360%
11) 1,1-Dichloroethene-d2	2.059	65	79412	17.086	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.360%
21) 2-Butanone-d5	3.838	46	74264	33.234	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.460%
24) Chloroform-d	4.246	84	325321	18.328	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.320%
26) 1,2-Dichloroethane-d4	4.940	65	176282	19.580	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.320%
32) Benzene-d6	4.953	84	662658	18.788	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.160%
36) 1,2-Dichloropropane-d6	5.985	67	210629	19.276	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.120%
41) Toluene-d8	7.239	98	585820	18.366	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.480%
43) trans-1,3-Dichloroprop...	7.551	79	73021	17.361	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.440%
47) 2-Hexanone-d5	8.034	63	46843	31.448	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.900%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	155453	18.508	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.040%
66) 1,2-Dichlorobenzene-d4	11.554	152	205376	19.978	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8030	1.011	ug/L	99
3) Chloromethane	1.217	50	11038	1.163	ug/L	99
5) Vinyl chloride	1.285	62	10635	1.139	ug/L #	65
6) Bromomethane	1.490	94	6568	1.216	ug/L	99
8) Chloroethane	1.551	64	5542	0.965	ug/L	92
9) Trichlorofluoromethane	1.715	101	13624	1.069	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	10440	1.312	ug/L	87
12) 1,1-Dichloroethene	2.066	96	9321	1.286	ug/L #	1
13) Acetone	2.153	43	9646m	3.450	ug/L	
14) Carbon disulfide	2.240	76	24039	1.010	ug/L	98
15) Methyl Acetate	2.384	43	4114	1.041	ug/L	94
17) trans-1,2-Dichloroethene	2.693	96	8223	1.040	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	18371	0.992	ug/L #	88
19) 1,1-Dichloroethane	3.108	63	15051	0.994	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	8500	1.018	ug/L	93
22) 2-Butanone	3.940	43	5258m	2.009	ug/L	
23) Bromochloromethane	4.146	128	3671m	0.987	ug/L	
25) Chloroform	4.272	83	18966	1.290	ug/L	100
27) 1,2-Dichloroethane	5.056	62	9814m	1.054	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.571	56	12097	0.961	ug/L	95
30) 1,1,1-Trichloroethane	4.506	97	12305	0.993	ug/L	99
31) Carbon tetrachloride	4.728	117	10061	0.960	ug/L	99
33) Benzene	5.011	78	31574	1.008	ug/L	100
34) Trichloroethene	5.841	95	9185	1.078	ug/L	91
35) Methylcyclohexane	6.043	83	15062m	1.084	ug/L	
37) 1,2-Dichloropropane	6.101	63	9083m	1.108	ug/L	
38) Bromodichloromethane	6.439	83	10002	0.983	ug/L #	85
39) cis-1,3-Dichloropropene	6.963	75	11488	0.924	ug/L	94
40) 4-Methyl-2-pentanone	7.181	43	11279m	2.483	ug/L	
42) Toluene	7.323	91	31933	0.969	ug/L	97
44) trans-1,3-Dichloropropene	7.596	75	10583m	1.052	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	6666m	1.089	ug/L	
46) Tetrachloroethene	7.905	164	6486	1.035	ug/L	92
48) 2-Hexanone	8.098	43	14562m	3.846	ug/L	
49) Dibromochloromethane	8.178	129	6277	0.986	ug/L	91
50) 1,2-Dibromoethane	8.291	107	5334	0.912	ug/L	95
51) Chlorobenzene	8.812	112	21034	0.975	ug/L	98
52) Ethylbenzene	8.950	91	34297	0.929	ug/L	98
53) m,p-Xylene	9.075	106	12596	0.920	ug/L	96
54) o-Xylene	9.480	106	11229	0.851	ug/L	89
55) Styrene	9.503	104	19657m	0.879	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	8317	1.140	ug/L #	93
59) Bromoform	9.670	173	3255	0.973	ug/L #	90
60) Isopropylbenzene	9.863	105	30497	0.892	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	5120	1.055	ug/L	95
62) 1,3,5-Trimethylbenzene	10.474	105	23343	0.859	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	22940	0.852	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	14957	0.959	ug/L	88
65) 1,4-Dichlorobenzene	11.207	146	17940	1.128	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	15491	1.071	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.371	75	1245	1.137	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.583	180	11275	1.019	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	10294	1.054	ug/L	91
71) Naphthalene	13.445	128	18160	0.953	ug/L	96
72) 1,2,3-Trichlorobenzene	13.680	180	8600	0.959	ug/L	97

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

