

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050624\
 Data File : VV035541.D
 Acq On : 06 May 2024 17:46
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

Quant Time: May 08 02:10:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:49:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	442573	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	462342	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	237520	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	128389	18.769	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.080%
7) Chloroethane-d5	1.529	69	110911	20.098	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.053	65	60138	19.858	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.440%
21) 2-Butanone-d5	3.841	46	93590m	48.211	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.420%
24) Chloroform-d	4.246	84	271512	20.636	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.560%
26) 1,2-Dichloroethane-d4	4.941	65	143642	22.083	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.320%
32) Benzene-d6	4.957	84	518298	20.479	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.920%
36) 1,2-Dichloropropane-d6	5.986	67	166996	21.381	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.520%
41) Toluene-d8	7.243	98	440007	19.535	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.120%
43) trans-1,3-Dichloroprop...	7.555	79	66392	19.876	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.520%
47) 2-Hexanone-d5	8.034	63	63181	44.987	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.980%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	174265	23.155	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.558	152	183785	22.296	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	9625	1.070	ug/L	97
3) Chloromethane	1.211	50	12030	1.332	ug/L	99
5) Vinyl chloride	1.278	62	10792	1.156	ug/L	83
6) Bromomethane	1.484	94	7506	1.270	ug/L	96
8) Chloroethane	1.545	64	6348	1.103	ug/L	95
9) Trichlorofluoromethane	1.709	101	12579	1.033	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	9437	1.228	ug/L	87
12) 1,1-Dichloroethene	2.063	96	8866	1.277	ug/L #	1
13) Acetone	2.163	43	9041m	3.182	ug/L	
14) Carbon disulfide	2.237	76	26327	1.197	ug/L	100
15) Methyl Acetate	2.397	43	4963m	1.153	ug/L	
16) Methylene chloride	2.446	84	27766	2.721	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	8102	1.051	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	17436	0.938	ug/L #	94
19) 1,1-Dichloroethane	3.111	63	14206	0.983	ug/L	94
20) cis-1,2-Dichloroethene	3.825	96	8027	0.961	ug/L	95
22) 2-Butanone	3.925	43	6255m	2.370	ug/L	
23) Bromochloromethane	4.159	128	3931	0.973	ug/L	98
25) Chloroform	4.275	83	16881	1.131	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	9761m	1.051	ug/L	
29) Cyclohexane	4.584	56	9814	0.888	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	12083	0.943	ug/L	97
31) Carbon tetrachloride	4.735	117	10670	0.949	ug/L	97
33) Benzene	5.018	78	31420m	1.027	ug/L	
34) Trichloroethene	5.841	95	8831	1.020	ug/L	94
35) Methylcyclohexane	6.043	83	13839m	1.053	ug/L	
37) 1,2-Dichloropropane	6.098	63	8338m	1.044	ug/L	
38) Bromodichloromethane	6.439	83	10244	0.947	ug/L	98
39) cis-1,3-Dichloropropene	6.969	75	11843m	0.948	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	11935m	2.496	ug/L	
42) Toluene	7.323	91	30994	0.957	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	11158m	1.021	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6098	0.899	ug/L	96
46) Tetrachloroethene	7.905	164	6815	0.969	ug/L	97
48) 2-Hexanone	8.095	43	8451m	2.357	ug/L	
49) Dibromochloromethane	8.178	129	7421	0.970	ug/L	99
50) 1,2-Dibromoethane	8.291	107	6530	0.977	ug/L	96
51) Chlorobenzene	8.818	112	22693	1.010	ug/L	99
52) Ethylbenzene	8.953	91	30267	0.847	ug/L	100
53) m,p-Xylene	9.079	106	10932	0.806	ug/L	95
54) o-Xylene	9.481	106	10034	0.780	ug/L	97
55) Styrene	9.506	104	16274m	0.726	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	9239	1.118	ug/L #	95
59) Bromoform	9.670	173	4962m	1.063	ug/L	
60) Isopropylbenzene	9.870	105	25758	0.814	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	6124	1.100	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.477	105	18795	0.757	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	18884	0.740	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	16110	0.970	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	17832	1.037	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	16462	1.053	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	1325	1.026	ug/L	90
69) 1,3,5-Trichlorobenzene	12.587	180	12307	0.948	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	9853	0.909	ug/L	96
71) Naphthalene	13.445	128	16904m	0.889	ug/L	
72) 1,2,3-Trichlorobenzene	13.680	180	8780	0.901	ug/L	97

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

