

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052124\
 Data File : VW035636.D
 Acq On : 21 May 2024 09:37
 Operator : SY/MD
 Sample : P2409-04
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 22 02:27:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:19:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
 Supervised By :Semsettin Yesilyurt 05/24/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	397877	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	411262	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	214783	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	122955	19.994	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.960%
7) Chloroethane-d5	1.529	69	109764	22.125	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.480%
11) 1,1-Dichloroethene-d2	2.053	65	57863	21.253	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.000%
21) 2-Butanone-d5	3.844	46	76318	43.730	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.460%
24) Chloroform-d	4.243	84	275391	23.282	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.120%
26) 1,2-Dichloroethane-d4	4.940	65	145358	24.857	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.440%
32) Benzene-d6	4.953	84	502242	22.310	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.240%
36) 1,2-Dichloropropane-d6	5.985	67	171730	24.718	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.880%
41) Toluene-d8	7.239	98	421258	21.025	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.120%
43) trans-1,3-Dichloroprop...	7.555	79	61570	20.722	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.880%
47) 2-Hexanone-d5	8.034	63	50992	40.818	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.640%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	148908	22.243	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.960%
66) 1,2-Dichlorobenzene-d4	11.558	152	182695	24.510	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	8436	1.043	ug/L	100
3) Chloromethane	1.211	50	10075	1.241	ug/L	96
5) Vinyl chloride	1.278	62	8863	1.056	ug/L #	72
6) Bromomethane	1.484	94	6386	1.202	ug/L	96
8) Chloroethane	1.545	64	5445	1.053	ug/L	92
9) Trichlorofluoromethane	1.709	101	11368	1.038	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	8678	1.256	ug/L	89
12) 1,1-Dichloroethene	2.063	96	8284	1.327	ug/L #	1
13) Acetone	2.172	43	5313m	2.080	ug/L	
14) Carbon disulfide	2.233	76	20501	1.037	ug/L	98
15) Methyl Acetate	2.397	43	3702m	0.956	ug/L	
17) trans-1,2-Dichloroethene	2.690	96	6420	0.927	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	14855	0.889	ug/L	97
19) 1,1-Dichloroethane	3.111	63	12809	0.986	ug/L	97
20) cis-1,2-Dichloroethene	3.822	96	6843m	0.911	ug/L	
22) 2-Butanone	3.934	43	4901m	2.066	ug/L	
23) Bromochloromethane	4.156	128	3670m	1.010	ug/L	
25) Chloroform	4.268	83	17101	1.275	ug/L	96
27) 1,2-Dichloroethane	5.059	62	8973m	1.074	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.577	56	8520	0.866	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	11433	1.003	ug/L	96
31) Carbon tetrachloride	4.735	117	9885	0.988	ug/L	100
33) Benzene	5.011	78	27448m	1.008	ug/L	
34) Trichloroethene	5.841	95	8507	1.105	ug/L	98
35) Methylcyclohexane	6.040	83	10683m	0.914	ug/L	
37) 1,2-Dichloropropane	6.101	63	7595m	1.070	ug/L	
38) Bromodichloromethane	6.439	83	9447	0.982	ug/L	97
39) cis-1,3-Dichloropropene	6.973	75	10709m	0.964	ug/L	
40) 4-Methyl-2-pentanone	7.178	43	8724m	2.051	ug/L	
42) Toluene	7.323	91	28006	0.972	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	10463m	1.077	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6150	1.019	ug/L	98
46) Tetrachloroethene	7.908	164	6313	1.009	ug/L	98
48) 2-Hexanone	8.095	43	8419m	2.640	ug/L	
49) Dibromochloromethane	8.178	129	6856	1.007	ug/L	94
50) 1,2-Dibromoethane	8.291	107	5581	0.939	ug/L #	94
51) Chlorobenzene	8.815	112	20545	1.028	ug/L	97
52) Ethylbenzene	8.953	91	27147	0.854	ug/L	99
53) m,p-Xylene	9.079	106	9923	0.822	ug/L	95
54) o-Xylene	9.480	106	9055	0.792	ug/L	98
55) Styrene	9.506	104	14514m	0.728	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	6953	0.946	ug/L #	94
59) Bromoform	9.667	173	4212	0.998	ug/L #	97
60) Isopropylbenzene	9.866	105	23282	0.814	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	5598	1.112	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	16769	0.747	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	17146	0.743	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	14172	0.944	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	16273	1.047	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	15560	1.101	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	1187	1.017	ug/L #	86
69) 1,3,5-Trichlorobenzene	12.583	180	11575	0.987	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	9224	0.941	ug/L	99
71) Naphthalene	13.445	128	15281m	0.888	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8112	0.920	ug/L	93

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

