

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050924\
 Data File : VW035566.D
 Acq On : 09 May 2024 11:38
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: May 09 12:38:31 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	405883	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	434226	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	218928	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	114545	18.259	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.040%
7) Chloroethane-d5	1.529	69	101408	20.037	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.160%
11) 1,1-Dichloroethene-d2	2.053	65	52852	19.030	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.120%
21) 2-Butanone-d5	3.841	46	89109m	50.052	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.100%
24) Chloroform-d	4.246	84	252141	20.896	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.600%
26) 1,2-Dichloroethane-d4	4.940	65	135152	22.656	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.640%
32) Benzene-d6	4.957	84	470714	19.803	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.200%
36) 1,2-Dichloropropane-d6	5.985	67	158099	21.553	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.200%
41) Toluene-d8	7.243	98	398233	18.825	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.280%
43) trans-1,3-Dichloroprop...	7.555	79	61505	19.605	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.440%
47) 2-Hexanone-d5	8.030	63	56086	42.521	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.040%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	161553	22.855	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.440%
66) 1,2-Dichlorobenzene-d4	11.558	152	172472	22.700	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	9453	1.146	ug/L	96
3) Chloromethane	1.214	50	10757	1.298	ug/L	98
5) Vinyl chloride	1.278	62	9922	1.159	ug/L	83
6) Bromomethane	1.487	94	6715	1.239	ug/L	95
8) Chloroethane	1.545	64	5650	1.071	ug/L	90
9) Trichlorofluoromethane	1.709	101	11967	1.071	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	8950	1.270	ug/L #	87
12) 1,1-Dichloroethene	2.066	96	8416	1.322	ug/L #	1
13) Acetone	2.156	43	8135m	3.121	ug/L	
14) Carbon disulfide	2.233	76	24202	1.200	ug/L	98
15) Methyl Acetate	2.394	43	3983m	1.009	ug/L	
16) Methylene chloride	2.442	84	16478	1.761	ug/L	93
17) trans-1,2-Dichloroethene	2.696	96	6963	0.985	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	16507	0.968	ug/L	97
19) 1,1-Dichloroethane	3.111	63	13523	1.021	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	6896	0.900	ug/L	91
22) 2-Butanone	3.931	43	5368m	2.218	ug/L	
23) Bromochloromethane	4.156	128	3843	1.037	ug/L	89
25) Chloroform	4.275	83	16336	1.194	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	5.059	62	9620m	1.129	ug/L		05/10/2024
29) Cyclohexane	4.577	56	8872	0.854	ug/L		Supervised By :Semsettin
30) 1,1,1-Trichloroethane	4.516	97	12337	1.025	ug/L		Yesilyurt
31) Carbon tetrachloride	4.735	117	10463	0.990	ug/L		99
33) Benzene	5.014	78	27693	0.964	ug/L		96
34) Trichloroethene	5.844	95	8205	1.009	ug/L		100
35) Methylcyclohexane	6.047	83	12989m	1.052	ug/L		92
37) 1,2-Dichloropropane	6.101	63	8330m	1.111	ug/L		05/10/2024
38) Bromodichloromethane	6.442	83	9941	0.979	ug/L		96
39) cis-1,3-Dichloropropene	6.966	75	12132m	1.034	ug/L		
40) 4-Methyl-2-pentanone	7.175	43	9540m	2.124	ug/L		
42) Toluene	7.323	91	29057	0.955	ug/L		99
44) trans-1,3-Dichloropropene	7.593	75	10470m	1.021	ug/L		
45) 1,1,2-Trichloroethane	7.776	97	6574	1.032	ug/L		98
46) Tetrachloroethene	7.908	164	6612	1.001	ug/L		94
48) 2-Hexanone	8.098	43	8944m	2.656	ug/L		
49) Dibromochloromethane	8.178	129	7122	0.991	ug/L		97
50) 1,2-Dibromoethane	8.291	107	6486	1.033	ug/L #		94
51) Chlorobenzene	8.815	112	21664	1.027	ug/L		99
52) Ethylbenzene	8.950	91	29284	0.872	ug/L		97
53) m,p-Xylene	9.079	106	10268	0.806	ug/L		98
54) o-Xylene	9.480	106	8747	0.724	ug/L		88
55) Styrene	9.506	104	15427m	0.733	ug/L		
57) 1,1,2,2-Tetrachloroethane	10.178	83	8414	1.084	ug/L #		93
59) Bromoform	9.670	173	4890	1.137	ug/L #		89
60) Isopropylbenzene	9.866	105	24176	0.829	ug/L #		97
61) 1,2,3-Trichloropropane	10.210	75	6249	1.218	ug/L		96
62) 1,3,5-Trimethylbenzene	10.477	105	17499	0.765	ug/L		100
63) 1,2,4-Trimethylbenzene	10.853	105	17757	0.755	ug/L		97
64) 1,3-Dichlorobenzene	11.124	146	14418	0.942	ug/L		98
65) 1,4-Dichlorobenzene	11.207	146	17520	1.106	ug/L		97
67) 1,2-Dichlorobenzene	11.580	146	15614	1.084	ug/L		94
68) 1,2-Dibromo-3-chloropr...	12.368	75	1490	1.252	ug/L		88
69) 1,3,5-Trichlorobenzene	12.583	180	11521	0.963	ug/L		99
70) 1,2,4-trichlorobenzene	13.201	180	9582	0.959	ug/L		99
71) Naphthalene	13.445	128	15192	0.867	ug/L		100
72) 1,2,3-Trichlorobenzene	13.683	180	9061	1.009	ug/L		93

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

