

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU058993.D
 Acq On : 25 May 2024 12:54
 Operator : MD/SY
 Sample : P2409-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-04

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: May 27 05:44:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	124719	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	124549	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	54920	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	60107	45.567	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.140%
7) Chloroethane-d5	1.875	69	56026	51.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.220%
11) 1,1-Dichloroethene-d2	2.550	63	79363	39.380	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.760%
21) 2-Butanone-d5	4.611	46	113377	125.129	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.130%
24) Chloroform-d	5.049	84	112956	49.924	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.840%
26) 1,2-Dichloroethane-d4	5.692	65	75840	54.808	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.620%
32) Benzene-d6	5.717	84	226283	53.291	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.580%
36) 1,2-Dichloropropane-d6	6.679	67	76310	54.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.820%
41) Toluene-d8	7.891	98	184434	48.459	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.920%
43) trans-1,3-Dichloroprop...	8.174	79	31416	49.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.780%
47) 2-Hexanone-d5	8.627	63	68525	118.137	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.140%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	120937	57.319	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.640%
66) 1,2-Dichlorobenzene-d4	12.187	152	62615	55.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.500%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	2104	2.521	ug/L	96
3) Chloromethane	1.515	50	3336	3.731	ug/L	89
5) Vinyl chloride	1.599	62	2995	2.868	ug/L #	72
6) Bromomethane	1.824	94	2957	4.778	ug/L	86
8) Chloroethane	1.898	64	2311	3.227	ug/L	94
9) Trichlorofluoromethane	2.116	101	4149	2.922	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	3190	3.304	ug/L #	83
12) 1,1-Dichloroethene	2.563	96	2565	3.320	ug/L #	1
13) Acetone	2.621	43	5654	7.077	ug/L	98
14) Carbon disulfide	2.779	76	4730	3.254	ug/L	97
15) Methyl Acetate	2.946	43	4850m	3.767	ug/L	
16) Methylene chloride	3.033	84	4641	3.766	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	1836m	2.365	ug/L	
18) Methyl tert-butyl Ether	3.348	73	8935	2.908	ug/L	97
19) 1,1-Dichloroethane	3.849	63	5892m	2.980	ug/L	
20) cis-1,2-Dichloroethene	4.656	96	2977	2.898	ug/L	87
22) 2-Butanone	4.714	43	6892m	6.623	ug/L	
23) Bromochloromethane	4.968	128	1455m	2.717	ug/L	
27) 1,2-Dichloroethane	5.788	62	4968	3.118	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	5.373	56	3005	2.835	ug/L	#	86
30) 1,1,1-Trichloroethane	5.309	97	4212	2.818	ug/L		96
31) Carbon tetrachloride	5.512	117	2937m	2.432	ug/L		
34) Trichloroethene	6.537	95	2991	3.010	ug/L		90
35) Methylcyclohexane	6.750	83	3293	2.827	ug/L		93
37) 1,2-Dichloropropane	6.785	63	3686	3.029	ug/L	#	91
38) Bromodichloromethane	7.100	83	4158	2.749	ug/L	#	97
39) cis-1,3-Dichloropropene	7.602	75	4665	2.783	ug/L		90
40) 4-Methyl-2-pentanone	7.788	43	11689	6.738	ug/L		91
42) Toluene	7.965	91	10603	2.642	ug/L		99
44) trans-1,3-Dichloropropene	8.206	75	4415	2.782	ug/L		98
45) 1,1,2-Trichloroethane	8.396	97	3284	2.733	ug/L		96
46) Tetrachloroethene	8.550	164	1564	2.360	ug/L		94
48) 2-Hexanone	8.685	43	10687m	7.482	ug/L		
49) Dibromochloromethane	8.804	129	3126	2.723	ug/L		78
50) 1,2-Dibromoethane	8.920	107	3331	2.902	ug/L	#	99
51) Chlorobenzene	9.441	112	7075	2.667	ug/L		94
52) Ethylbenzene	9.566	91	10674	2.457	ug/L		92
53) m,p-Xylene	9.692	106	3643	2.335	ug/L		95
54) o-Xylene	10.097	106	3725	2.385	ug/L		77
55) Styrene	10.116	104	5801	2.080	ug/L		87
57) 1,1,2,2-Tetrachloroethane	10.775	83	7553	3.489	ug/L		93
59) Bromoform	10.286	173	2065	2.837	ug/L	#	94
60) 1,2,3-Trichloropropane	10.817	75	5695	4.075	ug/L		96
61) Isopropylbenzene	10.479	105	9214	2.627	ug/L		97
62) 1,3,5-Trimethylbenzene	11.084	105	6810	2.465	ug/L		97
63) 1,2,4-Trimethylbenzene	11.466	105	6365	2.284	ug/L		96
64) 1,3-Dichlorobenzene	11.746	146	4780	2.625	ug/L		86
65) 1,4-Dichlorobenzene	11.833	146	5342	2.905	ug/L		98
67) 1,2-Dichlorobenzene	12.209	146	5731	3.095	ug/L		94
68) 1,2-Dibromo-3-chloropr...	12.994	75	1267	3.351	ug/L		91
69) 1,3,5-Trichlorobenzene	13.219	180	3239	2.526	ug/L		89
70) 1,2,4-trichlorobenzene	13.846	180	2154	1.950	ug/L	#	91
71) Naphthalene	14.100	128	7238m	2.247	ug/L		
72) 1,2,3-Trichlorobenzene	14.331	180	2520m	2.227	ug/L		

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

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