

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052421\
 Data File : VY004865.D
 Acq On : 24 May 2021 12:47
 Operator : SY/MD
 Sample : M2250-04
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-06

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:27:15 AM

Quant Time: May 25 01:20:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 25 01:15:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	286306	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	253588	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	117843	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	110561	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.765	69	85557	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.56%
11) 1,1-Dichloroethene-d2	3.857	63	155025	19.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.36%
21) 2-Butanone-d5	6.905	46	83290	43.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.06%
24) Chloroform-d	7.484	84	177474	24.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	8.149	65	112126	24.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.88%
32) Benzene-d6	8.118	84	403196	26.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	9.124	67	125444	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.84%
41) Toluene-d8	10.185	98	352576	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.32%
43) trans-1,3-Dichloroprop...	10.441	79	56141	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.80%
47) 2-Hexanone-d5	10.794	63	57280	42.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.12%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	98517	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.76%
66) 1,2-Dichlorobenzene-d4	13.721	152	109237	25.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4337	1.14	ug/L	99
3) Chloromethane	2.113	50	5906	1.26	ug/L	97
5) Vinyl chloride	2.253	62	6096	1.22	ug/L #	80
6) Bromomethane	2.662	94	2861	1.46	ug/L	80
8) Chloroethane	2.796	64	3053	1.05	ug/L	96
9) Trichlorofluoromethane	3.131	101	6938	1.09	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	5421m	1.43	ug/L	
12) 1,1-Dichloroethene	3.875	96	4844	1.37	ug/L #	1
13) Acetone	3.966	43	3571	3.12	ug/L	81
14) Carbon disulfide	4.204	76	13015	1.14	ug/L	100
15) Methyl Acetate	4.491	43	3420m	1.07	ug/L	
16) Methylene chloride	4.729	84	16690	3.40	ug/L	94
17) trans-1,2-Dichloroethene	5.235	96	4263	1.11	ug/L	97
18) Methyl tert-butyl Ether	5.222	73	10481	0.95	ug/L #	74
19) 1,1-Dichloroethane	6.027	63	8156	1.11	ug/L	92
20) cis-1,2-Dichloroethene	6.996	96	4453	1.08	ug/L	98
22) 2-Butanone	7.002	43	3641	1.84	ug/L	87
23) Bromochloromethane	7.332	128	1879m	0.97	ug/L	
25) Chloroform	7.508	83	13268	1.77	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	5504	1.06	ug/L #	92
29) Cyclohexane	7.783	56	6830	1.04	ug/L #	70
30) 1,1,1-Trichloroethane	7.710	97	6859	1.15	ug/L	98
31) Carbon tetrachloride	7.905	117	4311	0.92	ug/L	99
33) Benzene	8.161	78	17411	1.11	ug/L	100
34) Trichloroethene	8.947	95	4497	1.14	ug/L	95
35) Methylcyclohexane	9.185	83	6731	1.01	ug/L	92
37) 1,2-Dichloropropane	9.216	63	4721	1.13	ug/L #	94
38) Bromodichloromethane	9.502	83	5639	1.10	ug/L	83
39) cis-1,3-Dichloropropene	9.935	75	7171	1.11	ug/L	96
40) 4-Methyl-2-pentanone	10.075	43	8976	2.02	ug/L	96
42) Toluene	10.246	91	22825	1.38	ug/L	93
44) trans-1,3-Dichloropropene	10.465	75	9131	1.52	ug/L	94
45) 1,1,2-Trichloroethane	10.648	97	3494	1.08	ug/L	90
46) Tetrachloroethene	10.715	164	3270	1.10	ug/L	96
48) 2-Hexanone	10.837	43	5704	1.90	ug/L	95
49) Dibromochloromethane	10.983	129	3687	1.01	ug/L	97
50) 1,2-Dibromoethane	11.093	107	3238	1.03	ug/L	94
51) Chlorobenzene	11.520	112	11022	1.08	ug/L	95
52) Ethylbenzene	11.593	91	17538	0.98	ug/L	97
53) m,p-Xylene	11.703	106	6561	0.99	ug/L	97
54) o-Xylene	12.032	106	5884	0.93	ug/L	95
55) Styrene	12.044	104	9983	0.92	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.587	83	4300	1.09	ug/L	92
59) Bromoform	12.209	173	2126	0.95	ug/L #	97
60) Isopropylbenzene	12.331	105	15873	0.96	ug/L	99
61) 1,2,3-Trichloropropane	12.630	75	3203	1.00	ug/L	95
62) 1,3,5-Trimethylbenzene	12.812	105	12193	0.92	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	13116	0.99	ug/L	98
64) 1,3-Dichlorobenzene	13.361	146	7738	1.10	ug/L	91
65) 1,4-Dichlorobenzene	13.446	146	8155	1.14	ug/L	90
67) 1,2-Dichlorobenzene	13.739	146	7269	1.11	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.355	75	795m	1.09	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	5427	1.14	ug/L	97
70) 1,2,4-trichlorobenzene	15.001	180	4278	1.08	ug/L	97
71) Naphthalene	15.233	128	9249	0.92	ug/L	97
72) 1,2,3-Trichlorobenzene	15.422	180	3885	1.08	ug/L	96

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

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