

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020821\
 Data File : VY003993.D
 Acq On : 08 Feb 2021 12:12
 Operator : SY/MD
 Sample : L5214-04
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Manual Integrations
 APPROVED

MMDadoda
 2/9/2021 10:00:07 AM

Quant Time: Feb 09 02:56:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 09 02:48:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	183051	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	173436	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	91480	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	80007	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
7) Chloroethane-d5	2.765	69	65670	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	3.863	63	102973	17.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.80%
21) 2-Butanone-d5	6.899	46	53389	45.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.62%
24) Chloroform-d	7.490	84	114886	21.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.92%
26) 1,2-Dichloroethane-d4	8.149	65	82991	25.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.36%
32) Benzene-d6	8.118	84	234564	22.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	9.124	67	70719	21.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.12%
41) Toluene-d8	10.185	98	219671	21.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.76%
43) trans-1,3-Dichloroprop...	10.441	79	39837	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.12%
47) 2-Hexanone-d5	10.795	63	39331	45.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.48%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	60542	20.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.56%
66) 1,2-Dichlorobenzene-d4	13.721	152	80470	22.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.32%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	3719	1.05	ug/L	98
3) Chloromethane	2.119	50	4430	1.10	ug/L	96
5) Vinyl chloride	2.260	62	4797	1.24	ug/L #	72
6) Bromomethane	2.662	94	2718	1.18	ug/L	89
8) Chloroethane	2.808	64	2650	1.09	ug/L	92
9) Trichlorofluoromethane	3.137	101	5190	1.10	ug/L	100
12) 1,1-Dichloroethene	3.887	96	3532	1.36	ug/L #	1
13) Acetone	3.960	43	2266	2.55	ug/L	61
14) Carbon disulfide	4.204	76	9954	1.12	ug/L	96
15) Methyl Acetate	4.497	43	2052	0.99	ug/L #	75
16) Methylene chloride	4.729	84	6181	1.92	ug/L	78
17) trans-1,2-Dichloroethene	5.241	96	3236	1.19	ug/L #	83
18) Methyl tert-butyl Ether	5.235	73	7702	1.00	ug/L #	66
19) 1,1-Dichloroethane	6.039	63	4958	0.98	ug/L	96
20) cis-1,2-Dichloroethene	6.996	96	3118	1.09	ug/L	95
22) 2-Butanone	6.996	43	3024	2.24	ug/L	77
23) Bromochloromethane	7.344	128	1494	1.09	ug/L #	89
25) Chloroform	7.521	83	8405	1.65	ug/L	99
27) 1,2-Dichloroethane	8.240	62	4776	1.25	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.789	56	4644	0.95	ug/L #	57
30) 1,1,1-Trichloroethane	7.710	97	5230	1.13	ug/L #	85
31) Carbon tetrachloride	7.911	117	4640	1.12	ug/L	98
33) Benzene	8.167	78	12080	1.09	ug/L	100
34) Trichloroethene	8.941	95	3159	1.07	ug/L	83
35) Methylcyclohexane	9.191	83	5010	1.02	ug/L #	88
37) 1,2-Dichloropropane	9.222	63	2706	0.91	ug/L	97
38) Bromodichloromethane	9.502	83	3962	1.01	ug/L	93
39) cis-1,3-Dichloropropene	9.935	75	4733	1.02	ug/L #	80
40) 4-Methyl-2-pentanone	10.075	43	5677	1.96	ug/L	94
42) Toluene	10.246	91	12692	1.05	ug/L	96
44) trans-1,3-Dichloropropene	10.471	75	5333	1.23	ug/L	87
45) 1,1,2-Trichloroethane	10.648	97	2284	1.01	ug/L	98
46) Tetrachloroethene	10.721	164	2569	1.05	ug/L	97
48) 2-Hexanone	10.837	43	3978	1.91	ug/L	95
49) Dibromochloromethane	10.990	129	2649	0.95	ug/L	96
50) 1,2-Dibromoethane	11.087	107	2229	1.01	ug/L #	92
51) Chlorobenzene	11.520	112	7720	1.01	ug/L	93
52) Ethylbenzene	11.593	91	13924	1.03	ug/L	91
53) m,p-Xylene	11.703	106	5287	1.04	ug/L	92
54) o-Xylene	12.032	106	5070	1.05	ug/L	89
55) Styrene	12.044	104	8311	0.99	ug/L #	64
57) 1,1,2,2-Tetrachloroethane	12.587	83	3078	1.06	ug/L	96
59) Bromoform	12.209	173	1945	1.02	ug/L	97
60) Isopropylbenzene	12.331	105	13476	1.03	ug/L	97
61) 1,2,3-Trichloropropane	12.636	75	2342	1.01	ug/L	96
62) 1,3,5-Trimethylbenzene	12.812	105	10856	0.98	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	10589	0.97	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	6311	1.04	ug/L	94
65) 1,4-Dichlorobenzene	13.447	146	6364	1.05	ug/L	91
67) 1,2-Dichlorobenzene	13.739	146	6312	1.12	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.361	75	754m	1.34	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	5147	1.17	ug/L	96
70) 1,2,4-trichlorobenzene	15.007	180	4161	1.14	ug/L	96
71) Naphthalene	15.233	128	8772	1.15	ug/L	98
72) 1,2,3-Trichlorobenzene	15.422	180	4064	1.28	ug/L	99

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

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