

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020521\
 Data File : VY003987.D
 Acq On : 05 Feb 2021 14:28
 Operator : SY/MD
 Sample : L5214-03
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Manual Integrations
 APPROVED

MMDadoda
 2/8/2021 11:34:59 AM

Quant Time: Feb 06 03:59:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 06 03:42:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	219792	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	205969	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	103171	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	95841	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
7) Chloroethane-d5	2.772	69	75034	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.68%
11) 1,1-Dichloroethene-d2	3.863	63	129264	18.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.96%
21) 2-Butanone-d5	6.905	46	68042	48.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.26%
24) Chloroform-d	7.490	84	140847	21.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.72%
26) 1,2-Dichloroethane-d4	8.149	65	99207	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.88%
32) Benzene-d6	8.118	84	287837	23.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.28%
36) 1,2-Dichloropropane-d6	9.130	67	86347	22.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.56%
41) Toluene-d8	10.185	98	270891	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.12%
43) trans-1,3-Dichloroprop...	10.441	79	48392	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.32%
47) 2-Hexanone-d5	10.795	63	50035	49.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.00%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	76141	21.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.32%
66) 1,2-Dichlorobenzene-d4	13.727	152	92985	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	4425	1.04	ug/L	98
3) Chloromethane	2.119	50	5375	1.12	ug/L	97
5) Vinyl chloride	2.259	62	5237	1.13	ug/L #	63
6) Bromomethane	2.668	94	2751	1.00	ug/L	90
8) Chloroethane	2.808	64	2827	0.97	ug/L	87
9) Trichlorofluoromethane	3.137	101	6302	1.11	ug/L	97
12) 1,1-Dichloroethene	3.881	96	4143	1.33	ug/L #	1
13) Acetone	3.973	43	3103m	2.91	ug/L	
14) Carbon disulfide	4.216	76	11005	1.03	ug/L	98
15) Methyl Acetate	4.497	43	2706	1.09	ug/L #	73
16) Methylene chloride	4.735	84	8761	2.27	ug/L	88
17) trans-1,2-Dichloroethene	5.241	96	3626m	1.11	ug/L	
18) Methyl tert-butyl Ether	5.235	73	8828m	0.96	ug/L	
19) 1,1-Dichloroethane	6.039	63	5733	0.94	ug/L	92
20) cis-1,2-Dichloroethene	7.003	96	3421m	1.00	ug/L	
22) 2-Butanone	7.009	43	3774	2.33	ug/L	86
23) Bromochloromethane	7.350	128	1654	1.00	ug/L #	69
25) Chloroform	7.521	83	10929	1.78	ug/L	96
27) 1,2-Dichloroethane	8.240	62	4995	1.09	ug/L #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.789	56	5841	1.00	ug/L	94
30) 1,1,1-Trichloroethane	7.716	97	5822	1.06	ug/L #	79
31) Carbon tetrachloride	7.917	117	5105	1.04	ug/L	98
33) Benzene	8.173	78	13822	1.05	ug/L	100
34) Trichloroethene	8.947	95	3569	1.02	ug/L	88
35) Methylcyclohexane	9.191	83	5902	1.01	ug/L	92
37) 1,2-Dichloropropane	9.222	63	3335	0.94	ug/L	99
38) Bromodichloromethane	9.502	83	4667	1.00	ug/L	98
39) cis-1,3-Dichloropropene	9.935	75	5579	1.01	ug/L	93
40) 4-Methyl-2-pentanone	10.075	43	7195	2.09	ug/L	95
42) Toluene	10.246	91	15334	1.06	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	7587	1.47	ug/L	92
45) 1,1,2-Trichloroethane	10.648	97	2579	0.96	ug/L	86
46) Tetrachloroethene	10.721	164	3202	1.10	ug/L	84
48) 2-Hexanone	10.837	43	5325	2.16	ug/L	94
49) Dibromochloromethane	10.990	129	3315	1.00	ug/L	98
50) 1,2-Dibromoethane	11.093	107	2504	0.95	ug/L #	84
51) Chlorobenzene	11.520	112	9175	1.02	ug/L	91
52) Ethylbenzene	11.593	91	15492	0.96	ug/L	93
53) m,p-Xylene	11.703	106	6150	1.02	ug/L	93
54) o-Xylene	12.032	106	5314	0.92	ug/L	91
55) Styrene	12.044	104	9487	0.95	ug/L	83
57) 1,1,2,2-Tetrachloroethane	12.587	83	3852	1.11	ug/L #	98
59) Bromoform	12.209	173	2341	1.09	ug/L #	94
60) Isopropylbenzene	12.331	105	14935	1.01	ug/L	96
61) 1,2,3-Trichloropropane	12.636	75	2704	1.04	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	12512	1.00	ug/L	97
63) 1,2,4-Trimethylbenzene	13.123	105	12117	0.98	ug/L	96
64) 1,3-Dichlorobenzene	13.367	146	7004	1.03	ug/L	92
65) 1,4-Dichlorobenzene	13.446	146	7626	1.12	ug/L	97
67) 1,2-Dichlorobenzene	13.739	146	7024	1.11	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.355	75	829m	1.30	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	5826	1.17	ug/L	96
70) 1,2,4-trichlorobenzene	15.001	180	4322	1.05	ug/L	96
71) Naphthalene	15.239	128	8647	1.00	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	3407	0.95	ug/L	91

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

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