

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100921\
 Data File : VY006352.D
 Acq On : 08 Oct 2021 11:44
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

apatel
 10/14/2021 10:57:27 AM

Quant Time: Oct 09 00:52:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 00:39:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	184972	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	175889	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	86194	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	69910	21.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.96%		
7) Chloroethane-d5	2.772	69	55213	23.20	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	92.80%		
11) 1,1-Dichloroethene-d2	3.857	63	87889	16.72	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	66.88%		
21) 2-Butanone-d5	6.893	46	43677	50.95	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	101.90%		
24) Chloroform-d	7.490	84	108216	23.22	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	92.88%		
26) 1,2-Dichloroethane-d4	8.149	65	73699	24.08	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	96.32%		
32) Benzene-d6	8.118	84	227720	23.53	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	94.12%		
36) 1,2-Dichloropropane-d6	9.124	67	68006	23.94	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.76%		
41) Toluene-d8	10.185	98	211443	22.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.76%		
43) trans-1,3-Dichloroprop...	10.441	79	34877	23.60	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	94.40%		
47) 2-Hexanone-d5	10.788	63	31088	49.49	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.98%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	53901	24.30	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.20%		
66) 1,2-Dichlorobenzene-d4	13.721	152	74276	24.98	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.92%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	3759	1.09	ug/L	94
3) Chloromethane	2.119	50	3743	1.11	ug/L	95
5) Vinyl chloride	2.259	62	4767	1.20	ug/L	83
6) Bromomethane	2.668	94	2187	1.22	ug/L	88
8) Chloroethane	2.802	64	2401	1.07	ug/L	89
9) Trichlorofluoromethane	3.137	101	5163	1.06	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	3127m	1.27	ug/L	
12) 1,1-Dichloroethene	3.875	96	3054	1.28	ug/L #	1
13) Acetone	3.954	43	1857m	1.90	ug/L	
14) Carbon disulfide	4.204	76	8815	1.02	ug/L	99
15) Methyl Acetate	4.479	43	1763m	1.15	ug/L	
16) Methylene chloride	4.729	84	10639m	3.26	ug/L	
17) trans-1,2-Dichloroethene	5.241	96	2769m	1.11	ug/L	
18) Methyl tert-butyl Ether	5.228	73	6598	1.01	ug/L #	78
19) 1,1-Dichloroethane	6.033	63	4997	1.10	ug/L	93
20) cis-1,2-Dichloroethene	7.003	96	3070	1.17	ug/L	78
22) 2-Butanone	7.003	43	2163	1.98	ug/L	91
23) Bromochloromethane	7.350	128	1350	1.13	ug/L #	69
25) Chloroform	7.515	83	13907	2.80	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	3914	1.11	ug/L	98
29) Cyclohexane	7.789	56	4203	0.93	ug/L #	90
30) 1,1,1-Trichloroethane	7.704	97	4839	1.08	ug/L #	52
31) Carbon tetrachloride	7.905	117	4247	1.05	ug/L	93
33) Benzene	8.167	78	11655	1.09	ug/L	100
34) Trichloroethene	8.947	95	3068	1.12	ug/L	81
35) Methylcyclohexane	9.185	83	4188	0.88	ug/L	88
37) 1,2-Dichloropropane	9.222	63	2906	1.13	ug/L #	88
38) Bromodichloromethane	9.502	83	3944	1.12	ug/L #	92
39) cis-1,3-Dichloropropene	9.929	75	4218	1.03	ug/L	92
40) 4-Methyl-2-pentanone	10.075	43	4193	2.03	ug/L	99
42) Toluene	10.246	91	15383	1.32	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	5909m	1.53	ug/L	
45) 1,1,2-Trichloroethane	10.648	97	2024	1.07	ug/L	93
46) Tetrachloroethene	10.721	164	2336	1.04	ug/L	92
48) 2-Hexanone	10.831	43	3342	2.08	ug/L	95
49) Dibromochloromethane	10.990	129	2546	1.07	ug/L	96
50) 1,2-Dibromoethane	11.087	107	1742	0.98	ug/L #	90
51) Chlorobenzene	11.514	112	7676	1.09	ug/L	94
52) Ethylbenzene	11.593	91	12210	0.99	ug/L	99
53) m,p-Xylene	11.703	106	4962	1.05	ug/L	92
54) o-Xylene	12.026	106	4193	0.92	ug/L	99
55) Styrene	12.044	104	7697	0.97	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.581	83	2309	1.12	ug/L #	88
59) Bromoform	12.209	173	1583	1.09	ug/L	96
60) Isopropylbenzene	12.331	105	10968	0.94	ug/L	96
61) 1,2,3-Trichloropropane	12.636	75	1716	1.01	ug/L	93
62) 1,3,5-Trimethylbenzene	12.812	105	8906	0.94	ug/L	93
63) 1,2,4-Trimethylbenzene	13.123	105	8996	0.96	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	5168	0.99	ug/L	91
65) 1,4-Dichlorobenzene	13.446	146	6165	1.18	ug/L	95
67) 1,2-Dichlorobenzene	13.739	146	5264	1.11	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.355	75	406m	1.00	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	3917	1.06	ug/L	97
70) 1,2,4-trichlorobenzene	15.007	180	3117	1.05	ug/L	98
71) Naphthalene	15.233	128	6099	1.05	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.422	180	2672	1.03	ug/L	99

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

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