

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100721\
 Data File : VY006325.D
 Acq On : 07 Oct 2021 12:31
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

apatel
 10/14/2021 10:56:35 AM

Quant Time: Oct 08 01:05:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 08 00:53:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	205986	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	193403	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	94848	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	74059	20.68	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	82.72%		
7) Chloroethane-d5	2.771	69	60266	22.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	90.96%		
11) 1,1-Dichloroethene-d2	3.857	63	94181	16.09	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	64.36%		
21) 2-Butanone-d5	6.899	46	44386	46.50	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.00%		
24) Chloroform-d	7.484	84	117570	22.66	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.64%		
26) 1,2-Dichloroethane-d4	8.149	65	80110	23.51	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.04%		
32) Benzene-d6	8.118	84	251155	23.60	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	94.40%		
36) 1,2-Dichloropropane-d6	9.124	67	74038	23.71	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.84%		
41) Toluene-d8	10.185	98	235956	23.28	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	93.12%		
43) trans-1,3-Dichloroprop...	10.441	79	37678	23.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	92.76%		
47) 2-Hexanone-d5	10.788	63	32211	46.63	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.26%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	55597	22.80	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.20%		
66) 1,2-Dichlorobenzene-d4	13.721	152	81876	25.02	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	100.08%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	3681	0.96	ug/L	99
3) Chloromethane	2.119	50	3689	0.98	ug/L	92
5) Vinyl chloride	2.253	62	4372	0.99	ug/L #	72
6) Bromomethane	2.662	94	2447	1.22	ug/L	88
8) Chloroethane	2.808	64	2447	0.98	ug/L	87
9) Trichlorofluoromethane	3.137	101	5109	0.94	ug/L	97
12) 1,1-Dichloroethene	3.875	96	3065	1.15	ug/L #	1
13) Acetone	3.960	43	1627m	1.49	ug/L	
14) Carbon disulfide	4.204	76	8310	0.86	ug/L #	94
15) Methyl Acetate	4.491	43	1596	0.94	ug/L #	74
16) Methylene chloride	4.728	84	9262	2.55	ug/L	93
17) trans-1,2-Dichloroethene	5.234	96	2593	0.93	ug/L	98
18) Methyl tert-butyl Ether	5.228	73	6512	0.89	ug/L #	81
19) 1,1-Dichloroethane	6.033	63	4683	0.93	ug/L	97
20) cis-1,2-Dichloroethene	6.990	96	2765	0.95	ug/L	80
22) 2-Butanone	6.996	43	2095	1.73	ug/L	82
23) Bromochloromethane	7.344	128	1252	0.94	ug/L	83
25) Chloroform	7.508	83	12867	2.32	ug/L	92
27) 1,2-Dichloroethane	8.240	62	3791	0.96	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.789	56	4068	0.82	ug/L	95
30) 1,1,1-Trichloroethane	7.710	97	4581	0.93	ug/L	99
31) Carbon tetrachloride	7.911	117	4036	0.91	ug/L	99
33) Benzene	8.167	78	11434	0.97	ug/L	100
34) Trichloroethene	8.947	95	2893	0.96	ug/L	86
35) Methylcyclohexane	9.185	83	4150	0.79	ug/L	90
37) 1,2-Dichloropropane	9.215	63	2656	0.94	ug/L #	97
38) Bromodichloromethane	9.502	83	4000	1.03	ug/L #	87
39) cis-1,3-Dichloropropene	9.929	75	4055	0.90	ug/L	92
40) 4-Methyl-2-pentanone	10.075	43	4021	1.77	ug/L	98
42) Toluene	10.246	91	15352	1.20	ug/L	95
44) trans-1,3-Dichloropropene	10.465	75	5750	1.36	ug/L	99
45) 1,1,2-Trichloroethane	10.654	97	1941	0.93	ug/L	86
46) Tetrachloroethene	10.727	164	2391	0.97	ug/L	86
48) 2-Hexanone	10.831	43	2927	1.65	ug/L	97
49) Dibromochloromethane	10.989	129	2516	0.96	ug/L	95
50) 1,2-Dibromoethane	11.087	107	1920	0.99	ug/L #	90
51) Chlorobenzene	11.514	112	7555	0.98	ug/L	97
52) Ethylbenzene	11.593	91	12318	0.90	ug/L	99
53) m,p-Xylene	11.697	106	4793	0.92	ug/L	83
54) o-Xylene	12.026	106	4494	0.90	ug/L	89
55) Styrene	12.044	104	7408	0.85	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.587	83	2396	1.05	ug/L #	98
59) Bromoform	12.209	173	1486	0.93	ug/L #	97
60) Isopropylbenzene	12.331	105	11147	0.87	ug/L	95
61) 1,2,3-Trichloropropane	12.636	75	1825	0.98	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	8993	0.86	ug/L	95
63) 1,2,4-Trimethylbenzene	13.123	105	9347	0.91	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	5622	0.98	ug/L	96
65) 1,4-Dichlorobenzene	13.446	146	5762	1.00	ug/L	88
67) 1,2-Dichlorobenzene	13.739	146	4986	0.96	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.361	75	469m	1.05	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	3644	0.90	ug/L	95
70) 1,2,4-trichlorobenzene	15.007	180	3188	0.97	ug/L	98
71) Naphthalene	15.233	128	5698	0.89	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.422	180	2725	0.96	ug/L	98

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

