

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100921\
 Data File : VY006353.D
 Acq On : 08 Oct 2021 12:06
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

apatel
 10/14/2021 10:57:16 AM

Quant Time: Oct 09 00:55:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL100521SMA.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	193996	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	182769	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	88991	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	64411	19.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.40%
7) Chloroethane-d5	2.772	69	51268	20.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.16%
11) 1,1-Dichloroethene-d2	3.863	63	80967	14.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.76%
21) 2-Butanone-d5	6.899	46	37228	41.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.82%
24) Chloroform-d	7.484	84	98526	20.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.64%
26) 1,2-Dichloroethane-d4	8.149	65	66210	20.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.52%
32) Benzene-d6	8.118	84	208065	20.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.76%
36) 1,2-Dichloropropane-d6	9.124	67	61795	20.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.76%
41) Toluene-d8	10.185	98	194945	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloroprop...	10.441	79	30135	19.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.52%
47) 2-Hexanone-d5	10.788	63	25516	39.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.18%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	45790	19.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.48%
66) 1,2-Dichlorobenzene-d4	13.721	152	67724	22.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.24%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3648	1.01	ug/L	97
3) Chloromethane	2.119	50	3554	1.00	ug/L	89
5) Vinyl chloride	2.260	62	4453	1.07	ug/L #	75
6) Bromomethane	2.662	94	2007	1.07	ug/L	82
8) Chloroethane	2.802	64	2508	1.07	ug/L	96
9) Trichlorofluoromethane	3.137	101	4896	0.95	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	3014m	1.16	ug/L	
12) 1,1-Dichloroethene	3.875	96	3201	1.28	ug/L #	1
13) Acetone	3.948	43	1690m	1.65	ug/L	
14) Carbon disulfide	4.204	76	8121	0.90	ug/L	97
15) Methyl Acetate	4.485	43	1463	0.91	ug/L #	85
16) Methylene chloride	4.729	84	7209	2.11	ug/L	94
17) trans-1,2-Dichloroethene	5.241	96	2625	1.00	ug/L	72
18) Methyl tert-butyl Ether	5.222	73	5963m	0.87	ug/L	
19) 1,1-Dichloroethane	6.027	63	4567	0.96	ug/L #	94
20) cis-1,2-Dichloroethene	6.996	96	2477	0.90	ug/L	77
22) 2-Butanone	7.003	43	1618	1.42	ug/L	78
23) Bromochloromethane	7.350	128	1199	0.96	ug/L	90
25) Chloroform	7.515	83	12733	2.44	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	3738	1.01	ug/L	96
29) Cyclohexane	7.783	56	4326	0.92	ug/L	98
30) 1,1,1-Trichloroethane	7.710	97	4512	0.97	ug/L #	72
31) Carbon tetrachloride	7.911	117	4109	0.98	ug/L	97
33) Benzene	8.167	78	10476	0.94	ug/L	100
34) Trichloroethene	8.941	95	2691	0.95	ug/L	93
35) Methylcyclohexane	9.191	83	4525	0.91	ug/L	98
37) 1,2-Dichloropropane	9.216	63	2580	0.97	ug/L #	88
38) Bromodichloromethane	9.496	83	3670	1.00	ug/L	100
39) cis-1,3-Dichloropropene	9.935	75	3886	0.92	ug/L	83
40) 4-Methyl-2-pentanone	10.075	43	3695	1.72	ug/L	98
42) Toluene	10.246	91	14731	1.22	ug/L	95
44) trans-1,3-Dichloropropene	10.465	75	5298	1.32	ug/L	91
45) 1,1,2-Trichloroethane	10.648	97	1923	0.97	ug/L	98
46) Tetrachloroethene	10.727	164	2279	0.97	ug/L	83
48) 2-Hexanone	10.831	43	2748	1.64	ug/L #	92
49) Dibromochloromethane	10.990	129	2248	0.91	ug/L	96
50) 1,2-Dibromoethane	11.087	107	1756	0.95	ug/L #	72
51) Chlorobenzene	11.520	112	7223	0.99	ug/L	97
52) Ethylbenzene	11.593	91	11574	0.90	ug/L	97
53) m,p-Xylene	11.703	106	4726	0.96	ug/L	87
54) o-Xylene	12.032	106	4170	0.88	ug/L	85
55) Styrene	12.044	104	7121	0.87	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.581	83	2133	0.99	ug/L #	97
59) Bromoform	12.209	173	1381	0.92	ug/L #	95
60) Isopropylbenzene	12.331	105	10328	0.86	ug/L	95
61) 1,2,3-Trichloropropane	12.636	75	1735	0.99	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	8768	0.90	ug/L	99
63) 1,2,4-Trimethylbenzene	13.117	105	8688	0.90	ug/L	98
64) 1,3-Dichlorobenzene	13.367	146	5095	0.95	ug/L	96
65) 1,4-Dichlorobenzene	13.447	146	5483	1.01	ug/L	88
67) 1,2-Dichlorobenzene	13.739	146	5057	1.03	ug/L #	81
68) 1,2-Dibromo-3-chloropr...	14.361	75	406m	0.97	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	3653	0.96	ug/L	96
70) 1,2,4-trichlorobenzene	15.007	180	3033	0.99	ug/L	98
71) Naphthalene	15.239	128	5083	0.85	ug/L	97
72) 1,2,3-Trichlorobenzene	15.422	180	2531	0.95	ug/L	96

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

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