

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102721\
 Data File : VY006500.D
 Acq On : 27 Oct 2021 16:42
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:37:14 PM

Quant Time: Oct 28 06:08:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 05:46:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	205627	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	190690	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	92253	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	91273	25.537	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.160%
7) Chloroethane-d5	2.765	69	62844	23.755	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.040%
11) 1,1-Dichloroethene-d2	3.857	63	92970	15.910	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.640%
21) 2-Butanone-d5	6.893	46	49200	51.633	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.260%
24) Chloroform-d	7.484	84	122995	23.745	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.960%
26) 1,2-Dichloroethane-d4	8.143	65	82807	24.339	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.360%
32) Benzene-d6	8.112	84	266320	25.382	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.520%
36) 1,2-Dichloropropane-d6	9.124	67	80961	26.292	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.160%
41) Toluene-d8	10.179	98	246627	24.677	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.720%
43) trans-1,3-Dichloroprop...	10.441	79	39014	24.353	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.400%
47) 2-Hexanone-d5	10.788	63	33486	49.170	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.340%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	56200	23.372	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.480%
66) 1,2-Dichlorobenzene-d4	13.727	152	80245	25.216	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3997	1.040	ug/L	96
3) Chloromethane	2.119	50	4044	1.075	ug/L	99
5) Vinyl chloride	2.259	62	5502	1.250	ug/L	83
6) Bromomethane	2.656	94	2048	1.026	ug/L	96
8) Chloroethane	2.796	64	2468	0.991	ug/L	89
9) Trichlorofluoromethane	3.131	101	5128	0.943	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	3491m	1.271	ug/L	
12) 1,1-Dichloroethene	3.881	96	3043	1.148	ug/L #	1
13) Acetone	3.954	43	1802	1.655	ug/L	85
14) Carbon disulfide	4.204	76	9729	1.014	ug/L	100
15) Methyl Acetate	4.491	43	1768m	1.040	ug/L	
16) Methylene chloride	4.716	84	9399	2.592	ug/L	89
17) trans-1,2-Dichloroethene	5.228	96	2591	0.931	ug/L	96
18) Methyl tert-butyl Ether	5.235	73	6455	0.886	ug/L #	61
19) 1,1-Dichloroethane	6.021	63	5172	1.025	ug/L #	85
20) cis-1,2-Dichloroethene	6.990	96	2681	0.919	ug/L	86
22) 2-Butanone	6.990	43	2130	1.758	ug/L	94
23) Bromochloromethane	7.338	128	1170	0.882	ug/L	92
25) Chloroform	7.509	83	15880	2.874	ug/L	94

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

27) 1,2-Dichloroethane	8.240	62	3759	0.957	ug/L	96
29) Cyclohexane	7.789	56	4480	0.913	ug/L #	89
30) 1,1,1-Trichloroethane	7.704	97	4986	1.030	ug/L	95
31) Carbon tetrachloride	7.899	117	4251	0.970	ug/L	97
33) Benzene	8.161	78	11575	0.994	ug/L	100
34) Trichloroethene	8.941	95	3116	1.053	ug/L	85
35) Methylcyclohexane	9.185	83	4353	0.843	ug/L #	85
37) 1,2-Dichloropropane	9.216	63	2943	1.056	ug/L #	97
38) Bromodichloromethane	9.496	83	3589	0.939	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	4087	0.923	ug/L	88
40) 4-Methyl-2-pentanone	10.069	43	4159	1.861	ug/L	99
42) Toluene	10.246	91	16083	1.277	ug/L	95
44) trans-1,3-Dichloropropene	10.465	75	3417m	0.817	ug/L	
45) 1,1,2-Trichloroethane	10.642	97	1958	0.951	ug/L	89
46) Tetrachloroethene	10.721	164	2390	0.979	ug/L	86
48) 2-Hexanone	10.837	43	3230	1.852	ug/L #	41
49) Dibromochloromethane	10.984	129	2503	0.969	ug/L	97
50) 1,2-Dibromoethane	11.087	107	1906	0.993	ug/L #	87
51) Chlorobenzene	11.514	112	7683	1.008	ug/L	99
52) Ethylbenzene	11.593	91	12668	0.943	ug/L	98
53) m,p-Xylene	11.703	106	5021	0.977	ug/L	85
54) o-Xylene	12.032	106	4376	0.888	ug/L	90
55) Styrene	12.044	104	7370	0.858	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.581	83	2437	1.086	ug/L #	86
59) Bromoform	12.215	173	1394	0.895	ug/L #	37
60) Isopropylbenzene	12.331	105	11854	0.952	ug/L	97
61) 1,2,3-Trichloropropane	12.636	75	1866	1.031	ug/L	96
62) 1,3,5-Trimethylbenzene	12.812	105	9877	0.974	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	9641	0.963	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	5496	0.985	ug/L	94
65) 1,4-Dichlorobenzene	13.446	146	5852	1.043	ug/L	93
67) 1,2-Dichlorobenzene	13.739	146	5126	1.011	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.361	75	438m	1.004	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	4290	1.087	ug/L	94
70) 1,2,4-trichlorobenzene	15.007	180	3226	1.011	ug/L	95
71) Naphthalene	15.239	128	5244	0.841	ug/L	96
72) 1,2,3-Trichlorobenzene	15.422	180	2667	0.962	ug/L	99

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

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