

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102721\
 Data File : VY006501.D
 Acq On : 27 Oct 2021 17:04
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:37:16 PM

Quant Time: Oct 28 06:08:44 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	8.697	114	204317	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	190430	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	92338	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	80148	22.568	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.280%
7) Chloroethane-d5	2.765	69	55035	20.937	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.760%
11) 1,1-Dichloroethene-d2	3.857	63	102676	17.683	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.720%
21) 2-Butanone-d5	6.893	46	48710	51.446	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.900%
24) Chloroform-d	7.484	84	117230	22.777	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.120%
26) 1,2-Dichloroethane-d4	8.149	65	81428	24.087	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.360%
32) Benzene-d6	8.118	84	255761	24.408	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.640%
36) 1,2-Dichloropropane-d6	9.124	67	77602	25.236	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.960%
41) Toluene-d8	10.185	98	237816	23.828	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.320%
43) trans-1,3-Dichloroprop...	10.441	79	38030	23.771	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.080%
47) 2-Hexanone-d5	10.788	63	33946	49.913	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.820%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	55857	23.261	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.040%
66) 1,2-Dichlorobenzene-d4	13.721	152	79647	25.005	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3421	0.896	ug/L	97
3) Chloromethane	2.119	50	3438	0.920	ug/L	94
5) Vinyl chloride	2.259	62	4505	1.030	ug/L #	77
6) Bromomethane	2.662	94	2046	1.032	ug/L	89
8) Chloroethane	2.802	64	1970	0.796	ug/L	89
9) Trichlorofluoromethane	3.137	101	5104	0.945	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.899	101	3417m	1.252	ug/L	
12) 1,1-Dichloroethene	3.881	96	3336	1.267	ug/L #	1
13) Acetone	3.954	43	2240	2.071	ug/L	87
14) Carbon disulfide	4.204	76	8070	0.847	ug/L	98
15) Methyl Acetate	4.497	43	1782m	1.055	ug/L	
16) Methylene chloride	4.728	84	8549	2.373	ug/L	95
17) trans-1,2-Dichloroethene	5.234	96	2647	0.957	ug/L	93
18) Methyl tert-butyl Ether	5.222	73	6315	0.873	ug/L #	75
19) 1,1-Dichloroethane	6.033	63	4901	0.978	ug/L	95
20) cis-1,2-Dichloroethene	7.002	96	2661	0.918	ug/L	69
22) 2-Butanone	6.984	43	2116	1.757	ug/L #	63
23) Bromochloromethane	7.350	128	1192	0.904	ug/L	86
25) Chloroform	7.515	83	15811	2.880	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	3786	0.970	ug/L	95
29) Cyclohexane	7.789	56	4619	0.943	ug/L	98
30) 1,1,1-Trichloroethane	7.704	97	4724	0.977	ug/L	99
31) Carbon tetrachloride	7.911	117	4074	0.931	ug/L	98
33) Benzene	8.167	78	11038	0.949	ug/L	100
34) Trichloroethene	8.941	95	2841	0.962	ug/L	90
35) Methylcyclohexane	9.185	83	4879	0.946	ug/L	98
37) 1,2-Dichloropropane	9.222	63	2946	1.059	ug/L #	95
38) Bromodichloromethane	9.502	83	3805	0.996	ug/L	89
39) cis-1,3-Dichloropropene	9.929	75	4421m	1.000	ug/L	
40) 4-Methyl-2-pentanone	10.075	43	3847	1.724	ug/L	99
42) Toluene	10.246	91	15050	1.197	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	4488m	1.075	ug/L	
45) 1,1,2-Trichloroethane	10.648	97	1939	0.943	ug/L	89
46) Tetrachloroethene	10.721	164	2307	0.946	ug/L	95
48) 2-Hexanone	10.837	43	3154	1.811	ug/L	98
49) Dibromochloromethane	10.983	129	2324	0.901	ug/L	94
50) 1,2-Dibromoethane	11.087	107	1740	0.908	ug/L #	89
51) Chlorobenzene	11.520	112	6857	0.900	ug/L	96
52) Ethylbenzene	11.593	91	12241	0.913	ug/L	97
53) m,p-Xylene	11.703	106	4674	0.910	ug/L	87
54) o-Xylene	12.032	106	4281	0.870	ug/L	87
55) Styrene	12.044	104	6862	0.800	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.581	83	2034	0.908	ug/L #	94
59) Bromoform	12.203	173	1396	0.896	ug/L	92
60) Isopropylbenzene	12.331	105	11252	0.903	ug/L	97
61) 1,2,3-Trichloropropane	12.642	75	1747	0.964	ug/L	95
62) 1,3,5-Trimethylbenzene	12.812	105	8925	0.879	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	9212	0.919	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	5508	0.986	ug/L	96
65) 1,4-Dichlorobenzene	13.446	146	5433	0.967	ug/L	85
67) 1,2-Dichlorobenzene	13.739	146	5118	1.008	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.349	75	439m	1.006	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	4021	1.018	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	2975	0.931	ug/L	93
71) Naphthalene	15.233	128	5492	0.880	ug/L	96
72) 1,2,3-Trichlorobenzene	15.428	180	2742	0.988	ug/L	98

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

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