

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102721\
 Data File : VY006497.D
 Acq On : 27 Oct 2021 10:24
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025893

Quant Time: Oct 28 05:44:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM100521SMA.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	8.691	114	228865	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	213254	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	108517	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	98558	24.775	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.120%		
7) Chloroethane-d5	2.765	69	72070	24.477	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.920%		
11) 1,1-Dichloroethene-d2	3.857	63	158476	24.366	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	97.480%		
21) 2-Butanone-d5	6.893	46	59836	56.419	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	112.840%		
24) Chloroform-d	7.484	84	148325	25.727	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	102.920%		
26) 1,2-Dichloroethane-d4	8.143	65	96877	25.584	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.320%		
32) Benzene-d6	8.112	84	312347	26.618	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	106.480%		
36) 1,2-Dichloropropane-d6	9.124	67	97412	28.287	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	113.160%		
41) Toluene-d8	10.179	98	293205	26.233	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	104.920%		
43) trans-1,3-Dichloroprop...	10.441	79	47219	26.356	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	105.440%		
47) 2-Hexanone-d5	10.788	63	43104	56.596	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	113.200%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	67742	25.191	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	100.760%		
66) 1,2-Dichlorobenzene-d4	13.727	152	97614	26.077	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	104.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	81302	19.001	ug/L	99
3) Chloromethane	2.119	50	90396	21.595	ug/L	96
5) Vinyl chloride	2.253	62	105722	21.589	ug/L	100
6) Bromomethane	2.662	94	47810	21.525	ug/L	95
8) Chloroethane	2.802	64	59760	21.564	ug/L	97
9) Trichlorofluoromethane	3.131	101	131098	21.666	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	69560	22.762	ug/L	96
12) 1,1-Dichloroethene	3.881	96	66118	22.417	ug/L	94
13) Acetone	3.948	43	55528	45.827	ug/L	95
14) Carbon disulfide	4.198	76	202581	18.978	ug/L	100
15) Methyl Acetate	4.479	43	45628	24.116	ug/L #	81
16) Methylene chloride	4.722	84	73882	18.307	ug/L	97
17) trans-1,2-Dichloroethene	5.222	96	70657	22.804	ug/L	95
18) Methyl tert-butyl Ether	5.228	73	198054	24.437	ug/L	98
19) 1,1-Dichloroethane	6.021	63	141288	25.158	ug/L	98
20) cis-1,2-Dichloroethene	6.990	96	78474	24.163	ug/L	96
22) 2-Butanone	6.990	43	68724	50.955	ug/L	98
23) Bromochloromethane	7.338	128	34146	23.124	ug/L	97
25) Chloroform	7.509	83	153069	24.888	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	103605	23.696	ug/L	97
29) Cyclohexane	7.789	56	132417	24.134	ug/L	98
30) 1,1,1-Trichloroethane	7.704	97	131674	24.319	ug/L	98
31) Carbon tetrachloride	7.905	117	115642	23.600	ug/L	99
33) Benzene	8.161	78	314635	24.162	ug/L	100
34) Trichloroethene	8.941	95	81067	24.505	ug/L	98
35) Methylcyclohexane	9.185	83	132251	22.889	ug/L	96
37) 1,2-Dichloropropane	9.216	63	81320	26.097	ug/L	99
38) Bromodichloromethane	9.496	83	107907	25.234	ug/L	97
39) cis-1,3-Dichloropropene	9.929	75	128976	26.043	ug/L	99
40) 4-Methyl-2-pentanone	10.069	43	135792	54.332	ug/L	99
42) Toluene	10.246	91	338399	24.033	ug/L	98
44) trans-1,3-Dichloropropene	10.465	75	118098	25.259	ug/L	99
45) 1,1,2-Trichloroethane	10.642	97	56953	24.745	ug/L	98
46) Tetrachloroethene	10.721	164	62182	22.772	ug/L	95
48) 2-Hexanone	10.831	43	107110	54.924	ug/L	98
49) Dibromochloromethane	10.983	129	70679	24.456	ug/L	96
50) 1,2-Dibromoethane	11.087	107	51657	24.066	ug/L	98
51) Chlorobenzene	11.520	112	204729	24.008	ug/L	98
52) Ethylbenzene	11.593	91	367215	24.454	ug/L	100
53) m,p-Xylene	11.703	106	140093	24.366	ug/L	100
54) o-Xylene	12.032	106	134610	24.433	ug/L	98
55) Styrene	12.044	104	236445	24.618	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.581	83	58359	23.253	ug/L	99
59) Bromoform	12.209	173	43872	23.957	ug/L #	98
60) Isopropylbenzene	12.331	105	365571	24.955	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	53239	25.007	ug/L	100
62) 1,3,5-Trimethylbenzene	12.812	105	303815	25.466	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	302877	25.724	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	160918	24.509	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	161622	24.480	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	145748	24.427	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.355	75	11853	23.107	ug/L	91
69) 1,3,5-Trichlorobenzene	14.507	180	116646	25.122	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	93589	24.930	ug/L	98
71) Naphthalene	15.239	128	179981	24.543	ug/L	98
72) 1,2,3-Trichlorobenzene	15.428	180	80928	24.812	ug/L	99

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

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