

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102721\
 Data File : VY006502.D
 Acq On : 27 Oct 2021 17:27
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025894

Quant Time: Oct 28 05:48:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM100521SMA.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	206969	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	195475	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	98975	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	88267	24.536	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.160%
7) Chloroethane-d5	2.772	69	61767	23.197	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	3.863	63	136248	23.164	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.640%
21) 2-Butanone-d5	6.899	46	49497	51.608	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.220%
24) Chloroform-d	7.484	84	127145	24.387	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.560%
26) 1,2-Dichloroethane-d4	8.149	65	82756	24.167	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.680%
32) Benzene-d6	8.118	84	263507	24.499	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	9.124	67	80292	25.436	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.760%
41) Toluene-d8	10.185	98	246089	24.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.080%
43) trans-1,3-Dichloroprop...	10.441	79	39099	23.808	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.240%
47) 2-Hexanone-d5	10.789	63	35595	50.987	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.980%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	56970	23.112	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.440%
66) 1,2-Dichlorobenzene-d4	13.721	152	81803	23.960	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	81288	21.008	ug/L	100
3) Chloromethane	2.119	50	89778	23.716	ug/L	96
5) Vinyl chloride	2.260	62	104196	23.528	ug/L	99
6) Bromomethane	2.662	94	48444	24.117	ug/L	99
8) Chloroethane	2.802	64	53773	21.456	ug/L	99
9) Trichlorofluoromethane	3.137	101	121889	22.275	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	62372	22.569	ug/L	94
12) 1,1-Dichloroethene	3.881	96	58534	21.945	ug/L	85
13) Acetone	3.954	43	44164	40.304	ug/L	94
14) Carbon disulfide	4.204	76	179621	18.607	ug/L	99
15) Methyl Acetate	4.485	43	40456	23.645	ug/L #	77
16) Methylene chloride	4.729	84	71400	19.564	ug/L	94
17) trans-1,2-Dichloroethene	5.229	96	64327	22.958	ug/L	93
18) Methyl tert-butyl Ether	5.229	73	182281	24.870	ug/L	97
19) 1,1-Dichloroethane	6.027	63	128681	25.337	ug/L	97
20) cis-1,2-Dichloroethene	6.990	96	72073	24.540	ug/L	99
22) 2-Butanone	6.997	43	56674	46.466	ug/L	99
23) Bromochloromethane	7.344	128	31276	23.421	ug/L	99
25) Chloroform	7.515	83	139014	24.994	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	95870	24.246	ug/L	96
29) Cyclohexane	7.789	56	119255	23.712	ug/L	99
30) 1,1,1-Trichloroethane	7.710	97	121881	24.558	ug/L	99
31) Carbon tetrachloride	7.905	117	107962	24.037	ug/L	100
33) Benzene	8.167	78	287648	24.099	ug/L	100
34) Trichloroethene	8.941	95	74000	24.404	ug/L	99
35) Methylcyclohexane	9.185	83	120952	22.837	ug/L	96
37) 1,2-Dichloropropane	9.222	63	73726	25.812	ug/L	99
38) Bromodichloromethane	9.502	83	98520	25.134	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	115307	25.401	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	118708	51.816	ug/L	99
42) Toluene	10.246	91	313823	24.315	ug/L	98
44) trans-1,3-Dichloropropene	10.465	75	105153	24.535	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	51665	24.490	ug/L	99
46) Tetrachloroethene	10.721	164	57309	22.896	ug/L	95
48) 2-Hexanone	10.837	43	89416	50.021	ug/L	97
49) Dibromochloromethane	10.984	129	65205	24.614	ug/L	97
50) 1,2-Dibromoethane	11.093	107	47725	24.257	ug/L #	98
51) Chlorobenzene	11.520	112	188063	24.060	ug/L	98
52) Ethylbenzene	11.593	91	338787	24.612	ug/L	99
53) m,p-Xylene	11.703	106	127689	24.229	ug/L	98
54) o-Xylene	12.032	106	123314	24.418	ug/L	98
55) Styrene	12.044	104	217533	24.709	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.581	83	51986	22.598	ug/L	98
59) Bromoform	12.209	173	39838	23.851	ug/L #	98
60) Isopropylbenzene	12.331	105	343171	25.684	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	47666	24.548	ug/L	100
62) 1,3,5-Trimethylbenzene	12.813	105	282539	25.965	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	279897	26.064	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	147617	24.650	ug/L	99
65) 1,4-Dichlorobenzene	13.447	146	149070	24.756	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	135533	24.905	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	10766	23.012	ug/L	90
69) 1,3,5-Trichlorobenzene	14.507	180	106522	25.153	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	85025	24.832	ug/L	98
71) Naphthalene	15.239	128	158884	23.755	ug/L	98
72) 1,2,3-Trichlorobenzene	15.428	180	73009	24.542	ug/L	99

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

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