

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012621\
 Data File : VY003936.D
 Acq On : 26 Jan 2021 13:29
 Operator : SY/MD
 Sample : VSTD05035
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050535

Quant Time: Jan 26 14:02:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 26 13:40:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.703	114	225609	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.495	117	214972	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	117849	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	207947	63.42	ug/L	0.00
7) Chloroethane-d5	2.771	69	163914	64.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.869	63	346139	56.52	ug/L	0.00
21) 2-Butanone-d5	6.905	46	150312	115.52	ug/L	0.00
24) Chloroform-d	7.496	84	324666	55.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.155	65	200254	61.05	ug/L	0.00
32) Benzene-d6	8.124	84	631422	51.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.130	67	196277	52.04	ug/L	0.00
41) Toluene-d8	10.185	98	605107	54.41	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	99152	54.97	ug/L	0.00
47) 2-Hexanone-d5	10.794	63	117903	115.78	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	190694	50.77	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.727	152	219424	52.28	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	208378	70.50	ug/L	98
3) Chloromethane	2.119	50	216932	66.94	ug/L	99
5) Vinyl chloride	2.259	62	218518	64.74	ug/L	93
6) Bromomethane	2.662	94	134097	64.35	ug/L	99
8) Chloroethane	2.808	64	135701	64.83	ug/L	100
9) Trichlorofluoromethane	3.137	101	281074	58.47	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.918	101	160346	51.51	ug/L	98
12) 1,1-Dichloroethene	3.887	96	153942	52.00	ug/L #	69
13) Acetone	3.960	43	110525	118.53	ug/L	98
14) Carbon disulfide	4.210	76	522329	53.41	ug/L	99
15) Methyl Acetate	4.497	43	128991	56.99	ug/L	96
16) Methylene chloride	4.734	84	168228	44.04	ug/L	88
17) trans-1,2-Dichloroethene	5.240	96	163444	50.73	ug/L	90
18) Methyl tert-butyl Ether	5.240	73	482321	59.09	ug/L #	95
19) 1,1-Dichloroethane	6.039	63	305461	55.39	ug/L	98
20) cis-1,2-Dichloroethene	7.002	96	177615	52.20	ug/L	90
22) 2-Butanone	7.002	43	175738	112.41	ug/L	95
23) Bromochloromethane	7.350	128	83836	50.93	ug/L	92
25) Chloroform	7.521	83	311279	55.99	ug/L	97
27) 1,2-Dichloroethane	8.246	62	233536	61.68	ug/L	100
29) Cyclohexane	7.795	56	300315	57.38	ug/L	93
30) 1,1,1-Trichloroethane	7.716	97	282913	56.11	ug/L	97
31) Carbon tetrachloride	7.911	117	251438	55.63	ug/L	99
33) Benzene	8.173	78	680964	51.70	ug/L	100
34) Trichloroethene	8.947	95	178160	53.52	ug/L	94
35) Methylcyclohexane	9.191	83	300092	53.00	ug/L	91
37) 1,2-Dichloropropane	9.228	63	179576	53.34	ug/L	99
38) Bromodichloromethane	9.502	83	243498	56.72	ug/L	97
39) cis-1,3-Dichloropropene	9.935	75	293381	55.82	ug/L	97
40) 4-Methyl-2-pentanone	10.075	43	389852	126.18	ug/L	96
42) Toluene	10.252	91	753291	54.08	ug/L	98
44) trans-1,3-Dichloropropene	10.471	75	264864	54.23	ug/L	95

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

45) 1,1,2-Trichloroethane	10.648	97	135531	48.24	ug/L	99
46) Tetrachloroethene	10.721	164	147990	52.55	ug/L	95
48) 2-Hexanone	10.837	43	287959	128.54	ug/L	96
49) Dibromochloromethane	10.989	129	177136	53.99	ug/L	99
50) 1,2-Dibromoethane	11.093	107	142733	52.49	ug/L #	98
51) Chlorobenzene	11.520	112	465288	52.23	ug/L	94
52) Ethylbenzene	11.593	91	828809	55.14	ug/L	97
53) m,p-Xylene	11.703	106	311525	53.56	ug/L	89
54) o-Xylene	12.032	106	304129	55.15	ug/L	90
55) Styrene	12.050	104	540607	57.23	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.587	83	185107	50.06	ug/L	98
59) Bromoform	12.209	173	123691	52.93	ug/L #	96
60) Isopropylbenzene	12.331	105	823819	54.13	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	149372	52.59	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	707111	57.97	ug/L	96
63) 1,2,4-Trimethylbenzene	13.123	105	701087	57.98	ug/L	96
64) 1,3-Dichlorobenzene	13.367	146	377912	51.63	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	379156	51.02	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	350655	51.11	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	35229	52.72	ug/L	84
69) 1,3,5-Trichlorobenzene	14.507	180	267064	51.51	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	222785	50.64	ug/L	100
71) Naphthalene	15.239	128	501736	52.20	ug/L	98
72) 1,2,3-Trichlorobenzene	15.422	180	196280	48.93	ug/L	99

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

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