

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012621\
 Data File : VY003933.D
 Acq On : 26 Jan 2021 12:21
 Operator : SY/MD
 Sample : VSTD2.532
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5532

Manual Integrations
 APPROVED

SAM
 1/31/2021 5:41:23 PM

Quant Time: Jan 26 13:43:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.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	221709	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.495	117	209446	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	109904	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	12323	3.82	ug/L	0.00
7) Chloroethane-d5	2.771	69	9799	3.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.869	63	19391	3.22	ug/L	0.00
21) 2-Butanone-d5	6.905	46	6912	5.41	ug/L	0.00
24) Chloroform-d	7.496	84	17395	3.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.155	65	10392	3.22	ug/L	0.00
32) Benzene-d6	8.124	84	33839	2.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.130	67	10061	2.74	ug/L	0.00
41) Toluene-d8	10.185	98	32076	2.96	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.447	79	5468	3.11	ug/L	0.00
47) 2-Hexanone-d5	10.794	63	4657	4.69	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	9336	2.55	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.727	152	11093	2.83	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	11804	4.06	ug/L	97
3) Chloromethane	2.119	50	14388	4.52	ug/L	97
5) Vinyl chloride	2.265	62	12789	3.86	ug/L	98
6) Bromomethane	2.668	94	7687	3.75	ug/L	92
8) Chloroethane	2.802	64	9110	4.43	ug/L	93
9) Trichlorofluoromethane	3.143	101	15634	3.31	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.918	101	8353	2.73	ug/L	99
12) 1,1-Dichloroethene	3.893	96	8777	3.02	ug/L	92
13) Acetone	3.966	43	6190m	6.75	ug/L	
14) Carbon disulfide	4.216	76	29992	3.12	ug/L	99
15) Methyl Acetate	4.491	43	6398	2.88	ug/L #	76
16) Methylene chloride	4.741	84	12984	3.46	ug/L	82
17) trans-1,2-Dichloroethene	5.247	96	8789m	2.78	ug/L	
18) Methyl tert-butyl Ether	5.253	73	23849m	2.97	ug/L	
19) 1,1-Dichloroethane	6.033	63	16549	3.05	ug/L	91
20) cis-1,2-Dichloroethene	7.002	96	8585	2.57	ug/L	91
22) 2-Butanone	7.002	43	8513	5.54	ug/L	93
23) Bromochloromethane	7.350	128	4419	2.73	ug/L	92
25) Chloroform	7.521	83	16638	3.05	ug/L	98
27) 1,2-Dichloroethane	8.246	62	12361	3.32	ug/L	100
29) Cyclohexane	7.795	56	15223	2.99	ug/L	98
30) 1,1,1-Trichloroethane	7.716	97	14291	2.91	ug/L	91
31) Carbon tetrachloride	7.911	117	13338	3.03	ug/L	100
33) Benzene	8.173	78	35259	2.75	ug/L	100
34) Trichloroethene	8.947	95	9541	2.94	ug/L	98
35) Methylcyclohexane	9.185	83	15771	2.86	ug/L	93
37) 1,2-Dichloropropane	9.221	63	9870	3.01	ug/L #	97
38) Bromodichloromethane	9.502	83	12403	2.97	ug/L	99
39) cis-1,3-Dichloropropene	9.935	75	14435	2.82	ug/L	99
40) 4-Methyl-2-pentanone	10.075	43	16506	5.48	ug/L	94
42) Toluene	10.252	91	37061	2.73	ug/L	100
44) trans-1,3-Dichloropropene	10.471	75	13078	2.75	ug/L	88

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45) 1,1,2-Trichloroethane	10.654	97	7153	2.61	ug/L	96
46) Tetrachloroethene	10.727	164	7986	2.91	ug/L	94
48) 2-Hexanone	10.837	43	11398	5.22	ug/L	97
49) Dibromochloromethane	10.989	129	8582	2.68	ug/L	85
50) 1,2-Dibromoethane	11.093	107	6408	2.42	ug/L #	96
51) Chlorobenzene	11.520	112	24485	2.82	ug/L	93
52) Ethylbenzene	11.599	91	42461	2.90	ug/L	99
53) m,p-Xylene	11.703	106	15690	2.77	ug/L	98
54) o-Xylene	12.032	106	14738	2.74	ug/L	90
55) Styrene	12.044	104	24376	2.65	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.581	83	9120	2.53	ug/L #	94
59) Bromoform	12.209	173	5772	2.65	ug/L	96
60) Isopropylbenzene	12.331	105	39487	2.78	ug/L	97
61) 1,2,3-Trichloropropane	12.636	75	7240	2.73	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	33569	2.95	ug/L	96
63) 1,2,4-Trimethylbenzene	13.123	105	32412	2.87	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	19503	2.86	ug/L	93
65) 1,4-Dichlorobenzene	13.446	146	19110	2.76	ug/L	88
67) 1,2-Dichlorobenzene	13.739	146	17315	2.71	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.355	75	1910	3.06	ug/L #	75
69) 1,3,5-Trichlorobenzene	14.501	180	14635	3.03	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	12216	2.98	ug/L	99
71) Naphthalene	15.239	128	22629	2.52	ug/L	97
72) 1,2,3-Trichlorobenzene	15.422	180	10139	2.71	ug/L	98

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

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