

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY006997.D
 Acq On : 07 Dec 2021 14:39
 Operator : SY/MD
 Sample : VSTD2.511
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5811

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 08 01:26:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 01:13:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	156180	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	143522	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	68972	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	8307	3.559	ug/L	0.00
7) Chloroethane-d5	2.765	69	6769	3.734	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.857	63	13732	3.105	ug/L	0.00
21) 2-Butanone-d5	6.899	46	5706	6.694	ug/L	0.00
24) Chloroform-d	7.478	84	13313	3.245	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.143	65	8438	3.418	ug/L	0.00
32) Benzene-d6	8.112	84	25562	3.210	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	8732	3.404	ug/L	0.00
41) Toluene-d8	10.179	98	23119	3.121	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.435	79	4020	3.287	ug/L	0.00
47) 2-Hexanone-d5	10.788	63	3948	6.455	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	7679	3.536	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.727	152	7800	3.393	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.924	85	2849m	2.851	ug/L	
3) Chloromethane	2.113	50	7604	3.781	ug/L	97
5) Vinyl chloride	2.253	62	10857	3.547	ug/L	85
6) Bromomethane	2.668	94	5917	3.193	ug/L	90
8) Chloroethane	2.802	64	5956	3.240	ug/L	94
9) Trichlorofluoromethane	3.125	101	5660	2.629	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	5487	2.726	ug/L #	93
12) 1,1-Dichloroethene	3.869	96	5777	2.694	ug/L	87
13) Acetone	3.948	43	5275	6.887	ug/L	92
14) Carbon disulfide	4.198	76	17798	2.518	ug/L	99
15) Methyl Acetate	4.479	43	4519	2.721	ug/L #	96
17) trans-1,2-Dichloroethene	5.216	96	5540	2.407	ug/L	85
18) Methyl tert-butyl Ether	5.222	73	11239	2.652	ug/L #	86
19) 1,1-Dichloroethane	6.015	63	12555	2.850	ug/L	99
20) cis-1,2-Dichloroethene	6.984	96	6378	2.591	ug/L	89
22) 2-Butanone	6.984	43	6317	5.854	ug/L	82
23) Bromochloromethane	7.332	128	2816	2.518	ug/L	87
25) Chloroform	7.502	83	11771	2.684	ug/L	94
27) 1,2-Dichloroethane	8.240	62	8670	2.723	ug/L	99
29) Cyclohexane	7.795	56	9775m	2.368	ug/L	
30) 1,1,1-Trichloroethane	7.704	97	9835	2.665	ug/L	98
31) Carbon tetrachloride	7.899	117	8850	2.546	ug/L	96
33) Benzene	8.167	78	25335	2.570	ug/L	100
34) Trichloroethene	8.941	95	6229	2.585	ug/L	96
35) Methylcyclohexane	9.185	83	10510	2.444	ug/L	98
37) 1,2-Dichloropropane	9.216	63	7149	2.761	ug/L #	92
38) Bromodichloromethane	9.496	83	9157	2.777	ug/L	95
39) cis-1,3-Dichloropropene	9.929	75	10659	2.664	ug/L	91
40) 4-Methyl-2-pentanone	10.069	43	12475	5.371	ug/L	97
42) Toluene	10.246	91	26418	2.525	ug/L	96
44) trans-1,3-Dichloropropene	10.465	75	9786	2.611	ug/L	96
45) 1,1,2-Trichloroethane	10.642	97	5127	2.716	ug/L	86

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46) Tetrachloroethene	10.727	164	4890	2.489	ug/L	83
48) 2-Hexanone	10.837	43	8115	5.212	ug/L	97
49) Dibromochloromethane	10.983	129	5641	2.493	ug/L	94
50) 1,2-Dibromoethane	11.093	107	4899	2.736	ug/L	88
51) Chlorobenzene	11.520	112	15863	2.508	ug/L	90
52) Ethylbenzene	11.593	91	27370	2.440	ug/L	98
53) m,p-Xylene	11.703	106	10167	2.398	ug/L	80
54) o-Xylene	12.032	106	9164	2.297	ug/L	99
55) Styrene	12.044	104	15952	2.288	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.581	83	6708	2.871	ug/L	94
59) Bromoform	12.209	173	3519	2.588	ug/L	97
60) Isopropylbenzene	12.331	105	25118	2.566	ug/L	99
61) 1,2,3-Trichloropropane	12.630	75	5545	3.285	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	19784	2.463	ug/L	96
63) 1,2,4-Trimethylbenzene	13.123	105	19223	2.379	ug/L	96
64) 1,3-Dichlorobenzene	13.367	146	12084	2.640	ug/L	86
65) 1,4-Dichlorobenzene	13.446	146	12465	2.672	ug/L	96
67) 1,2-Dichlorobenzene	13.739	146	11057	2.709	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.361	75	1600	4.262	ug/L #	88
69) 1,3,5-Trichlorobenzene	14.501	180	10885	3.564	ug/L	96
70) 1,2,4-trichlorobenzene	15.007	180	9589	3.816	ug/L	97
71) Naphthalene	15.239	128	19106	3.734	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	7954	3.589	ug/L	97

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

