

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120321\
 Data File : VY006922.D
 Acq On : 03 Dec 2021 17:21
 Operator : SY/MD
 Sample : VSTD2.501
 Misc : 5.00g/10.0mL/MSVOA_Y/soil
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5801

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2021
 Supervised By : Mahesh Dadoda 12/04/2021

Quant Time: Dec 04 02:18:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 04 02:08:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	191165	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	172710	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	84779	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	6039	1.960	ug/L	0.00
7) Chloroethane-d5	2.772	69	5456	2.388	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.857	63	14038	2.673	ug/L	0.00
21) 2-Butanone-d5	6.887	46	5802	6.673	ug/L	0.00
24) Chloroform-d	7.472	84	13688	2.884	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.136	65	8497	2.771	ug/L	0.00
32) Benzene-d6	8.112	84	26917	2.876	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	8645	3.128	ug/L	0.00
41) Toluene-d8	10.179	98	24588	2.758	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.435	79	4027	2.833	ug/L	0.00
47) 2-Hexanone-d5	10.782	63	3837	6.269	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.563	84	7815	3.578	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.721	152	8293	2.889	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	2997	0.975	ug/L	# 87
3) Chloromethane	2.113	50	6503	2.022	ug/L	94
5) Vinyl chloride	2.259	62	8500	2.138	ug/L	99
6) Bromomethane	2.662	94	5355	2.869	ug/L	87
8) Chloroethane	2.802	64	5454	2.425	ug/L	100
9) Trichlorofluoromethane	3.119	101	6243	1.365	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	5903	2.333	ug/L	# 66
12) 1,1-Dichloroethene	3.875	96	6686	2.687	ug/L	90
13) Acetone	3.942	43	5531	5.914	ug/L	71
14) Carbon disulfide	4.192	76	22410	2.535	ug/L	97
15) Methyl Acetate	4.485	43	5344m	3.342	ug/L	
17) trans-1,2-Dichloroethene	5.222	96	7275	2.723	ug/L	90
18) Methyl tert-butyl Ether	5.216	73	13124	2.009	ug/L	# 86
19) 1,1-Dichloroethane	6.021	63	13877	2.838	ug/L	96
20) cis-1,2-Dichloroethene	6.984	96	7402	2.631	ug/L	88
22) 2-Butanone	6.990	43	6750	5.957	ug/L	84
23) Bromochloromethane	7.338	128	3552	2.764	ug/L	93
25) Chloroform	7.509	83	13490	2.561	ug/L	99
27) 1,2-Dichloroethane	8.234	62	9565	2.541	ug/L	96
29) Cyclohexane	7.783	56	12837	2.800	ug/L	95
30) 1,1,1-Trichloroethane	7.698	97	11476	2.558	ug/L	98
31) Carbon tetrachloride	7.899	117	10910	2.653	ug/L	95
33) Benzene	8.161	78	30766	2.798	ug/L	100
34) Trichloroethene	8.941	95	7745	2.796	ug/L	90
35) Methylcyclohexane	9.185	83	13320	2.733	ug/L	93
37) 1,2-Dichloropropane	9.216	63	8266	3.109	ug/L	99
38) Bromodichloromethane	9.496	83	10407	2.873	ug/L	96
39) cis-1,3-Dichloropropene	9.923	75	11865	2.819	ug/L	99
40) 4-Methyl-2-pentanone	10.069	43	13292	6.181	ug/L	99
42) Toluene	10.240	91	31233	2.627	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	11167	2.807	ug/L	90
45) 1,1,2-Trichloroethane	10.642	97	6067	3.089	ug/L	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	10.715	164	6231	2.687	ug/L	89
48) 2-Hexanone	10.831	43	8425	5.248	ug/L	99
49) Dibromochloromethane	10.984	129	7034	2.869	ug/L	94
50) 1,2-Dibromoethane	11.087	107	5428	2.953	ug/L	99
51) Chlorobenzene	11.514	112	19313	2.671	ug/L	98
52) Ethylbenzene	11.593	91	33612	2.642	ug/L	96
53) m,p-Xylene	11.703	106	12987	2.682	ug/L	100
54) o-Xylene	12.026	106	11805	2.547	ug/L	97
55) Styrene	12.044	104	19432	2.397	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.581	83	6588	2.978	ug/L	96
59) Bromoform	12.209	173	4473	2.927	ug/L #	96
60) Isopropylbenzene	12.331	105	30802	2.581	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	5673	3.199	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	24703	2.546	ug/L	98
63) 1,2,4-Trimethylbenzene	13.117	105	23456	2.445	ug/L	97
64) 1,3-Dichlorobenzene	13.361	146	14064	2.630	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	14978	2.785	ug/L	97
67) 1,2-Dichlorobenzene	13.739	146	12663	2.613	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.355	75	1202	2.924	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.501	180	9532	2.553	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	7984	2.653	ug/L	94
71) Naphthalene	15.233	128	14291	2.421	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	6507	2.514	ug/L	100

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

