

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120321\
 Data File : VY006923.D
 Acq On : 03 Dec 2021 17:43
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005802

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Dec 04 02:11:21 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

12/04/2021
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	191285	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	180542	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	89030	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	12447	4.038	ug/L	0.00
7) Chloroethane-d5	2.765	69	10355	4.530	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.851	63	26491	5.040	ug/L	0.00
21) 2-Butanone-d5	6.887	46	11363m	13.060	ug/L	0.00
24) Chloroform-d	7.478	84	26760	5.636	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.142	65	15903	5.183	ug/L	0.00
32) Benzene-d6	8.112	84	52279	5.344	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	17348	6.005	ug/L	0.00
41) Toluene-d8	10.179	98	48285	5.182	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	7707	5.186	ug/L	0.00
47) 2-Hexanone-d5	10.788	63	8097	12.656	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.556	84	13740	6.018	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.721	152	15926	5.284	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	6064m	1.972	ug/L	
3) Chloromethane	2.113	50	12435	3.864	ug/L	96
5) Vinyl chloride	2.253	62	16746	4.209	ug/L	93
6) Bromomethane	2.662	94	10650	5.701	ug/L	89
8) Chloroethane	2.808	64	10027	4.456	ug/L	96
9) Trichlorofluoromethane	3.125	101	11410	2.493	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	12036	4.753	ug/L	95
12) 1,1-Dichloroethene	3.875	96	12505	5.022	ug/L	89
13) Acetone	3.936	43	9943	10.625	ug/L	72
14) Carbon disulfide	4.192	76	42628	4.818	ug/L	99
15) Methyl Acetate	4.479	43	9924	6.202	ug/L	97
16) Methylene chloride	4.716	84	18432	5.448	ug/L	95
17) trans-1,2-Dichloroethene	5.222	96	13428	5.023	ug/L	93
18) Methyl tert-butyl Ether	5.222	73	23718	3.629	ug/L #	94
19) 1,1-Dichloroethane	6.021	63	25438	5.199	ug/L	98
20) cis-1,2-Dichloroethene	6.990	96	14612	5.191	ug/L	92
22) 2-Butanone	6.990	43	12412	10.946	ug/L	96
23) Bromochloromethane	7.338	128	6437	5.006	ug/L #	88
25) Chloroform	7.508	83	25814	4.897	ug/L	99
27) 1,2-Dichloroethane	8.234	62	18438	4.896	ug/L	97
29) Cyclohexane	7.789	56	23098	4.819	ug/L	98
30) 1,1,1-Trichloroethane	7.697	97	22515	4.802	ug/L	98
31) Carbon tetrachloride	7.899	117	20979	4.880	ug/L	100
33) Benzene	8.161	78	57326	4.987	ug/L	100
34) Trichloroethene	8.941	95	13879	4.793	ug/L	95
35) Methylcyclohexane	9.185	83	24820	4.872	ug/L	95
37) 1,2-Dichloropropane	9.215	63	14698	5.288	ug/L	99
38) Bromodichloromethane	9.496	83	18583	4.908	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	23022	5.233	ug/L	98
40) 4-Methyl-2-pentanone	10.069	43	25456	11.323	ug/L	99
42) Toluene	10.246	91	60462	4.865	ug/L	97
44) trans-1,3-Dichloropropene	10.465	75	20744	4.988	ug/L	97

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

45) 1,1,2-Trichloroethane	10.648	97	10611	5.168	ug/L	99
46) Tetrachloroethene	10.715	164	11820	4.875	ug/L	92
48) 2-Hexanone	10.831	43	16175	9.639	ug/L	99
49) Dibromochloromethane	10.983	129	13062	5.097	ug/L	95
50) 1,2-Dibromoethane	11.087	107	10279	5.350	ug/L	95
51) Chlorobenzene	11.514	112	37414	4.950	ug/L	96
52) Ethylbenzene	11.593	91	63800	4.797	ug/L	99
53) m,p-Xylene	11.697	106	24234	4.787	ug/L	95
54) o-Xylene	12.032	106	22413	4.626	ug/L	95
55) Styrene	12.044	104	38871	4.587	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.581	83	13360	5.777	ug/L	96
59) Bromoform	12.203	173	8356	5.206	ug/L	99
60) Isopropylbenzene	12.331	105	59275	4.730	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	10236	5.496	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	49810	4.889	ug/L	99
63) 1,2,4-Trimethylbenzene	13.117	105	48277	4.792	ug/L	98
64) 1,3-Dichlorobenzene	13.367	146	28153	5.014	ug/L	96
65) 1,4-Dichlorobenzene	13.446	146	28871	5.112	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	24746	4.862	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	2177	5.042	ug/L	80
69) 1,3,5-Trichlorobenzene	14.501	180	18490	4.717	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	14272	4.517	ug/L	99
71) Naphthalene	15.239	128	28300	4.566	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	12529	4.610	ug/L	98

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

