

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120321\
 Data File : VY006925.D
 Acq On : 03 Dec 2021 18:49
 Operator : SY/MD
 Sample : VSTD05004
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050804

Quant Time: Dec 04 02:12:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.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	199995	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	187909	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	89727	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	126001	39.097	ug/L	0.00
7) Chloroethane-d5	2.771	69	90681	37.942	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.856	63	251510	45.770	ug/L	0.00
21) 2-Butanone-d5	6.886	46	86596	95.197	ug/L	0.00
24) Chloroform-d	7.478	84	227392	45.802	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.142	65	134023	41.776	ug/L	0.00
32) Benzene-d6	8.112	84	445240	43.729	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	139513	46.396	ug/L	0.00
41) Toluene-d8	10.178	98	427178	44.044	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	69664	45.043	ug/L	0.00
47) 2-Hexanone-d5	10.788	63	67133	100.818	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	114809	48.318	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.720	152	131678	43.348	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	62989	19.592	ug/L	98
3) Chloromethane	2.119	50	107853	32.056	ug/L	99
5) Vinyl chloride	2.259	62	178959	43.026	ug/L	97
6) Bromomethane	2.662	94	103762	53.130	ug/L	97
8) Chloroethane	2.802	64	102558	43.592	ug/L	96
9) Trichlorofluoromethane	3.125	101	129818	27.132	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	125979	47.583	ug/L	99
12) 1,1-Dichloroethene	3.869	96	136736	52.520	ug/L	99
13) Acetone	3.942	43	79495	81.245	ug/L	100
14) Carbon disulfide	4.192	76	435223	47.052	ug/L	100
15) Methyl Acetate	4.472	43	93015	55.595	ug/L	99
16) Methylene chloride	4.716	84	146276	41.355	ug/L	94
17) trans-1,2-Dichloroethene	5.216	96	142663	51.039	ug/L	99
18) Methyl tert-butyl Ether	5.222	73	262252	38.374	ug/L	100
19) 1,1-Dichloroethane	6.015	63	264489	51.701	ug/L	96
20) cis-1,2-Dichloroethene	6.984	96	156816	53.281	ug/L	98
22) 2-Butanone	6.984	43	122985	103.738	ug/L	100
23) Bromochloromethane	7.338	128	71668	53.304	ug/L	96
25) Chloroform	7.508	83	271085	49.183	ug/L	100
27) 1,2-Dichloroethane	8.240	62	202083	51.320	ug/L	99
29) Cyclohexane	7.789	56	259298	51.978	ug/L	100
30) 1,1,1-Trichloroethane	7.703	97	233266	47.799	ug/L	100
31) Carbon tetrachloride	7.904	117	226415	50.605	ug/L	100
33) Benzene	8.161	78	623295	52.092	ug/L	100
34) Trichloroethene	8.941	95	154230	51.172	ug/L	97
35) Methylcyclohexane	9.185	83	283059	53.388	ug/L	98
37) 1,2-Dichloropropane	9.215	63	161252	55.738	ug/L	99
38) Bromodichloromethane	9.496	83	210246	53.356	ug/L	99
39) cis-1,3-Dichloropropene	9.928	75	260465	56.881	ug/L	99
40) 4-Methyl-2-pentanone	10.069	43	292385	124.957	ug/L	99
42) Toluene	10.246	91	684080	52.887	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	244670	56.527	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.642	97	118325	55.371	ug/L	94
46) Tetrachloroethene	10.721	164	129608	51.363	ug/L	96
48) 2-Hexanone	10.831	43	199201	114.050	ug/L	99
49) Dibromochloromethane	10.983	129	147858	55.432	ug/L	98
50) 1,2-Dibromoethane	11.087	107	114601	57.310	ug/L	100
51) Chlorobenzene	11.514	112	413989	52.624	ug/L	99
52) Ethylbenzene	11.593	91	736782	53.223	ug/L	100
53) m,p-Xylene	11.703	106	276900	52.557	ug/L	99
54) o-Xylene	12.026	106	262179	51.988	ug/L	99
55) Styrene	12.044	104	472001	53.519	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.580	83	149324	62.039	ug/L	99
59) Bromoform	12.209	173	95821	59.239	ug/L	100
60) Isopropylbenzene	12.331	105	687894	54.469	ug/L	99
61) 1,2,3-Trichloropropane	12.635	75	112312	59.833	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	568827	55.401	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	556531	54.808	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	303019	53.551	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	303147	53.259	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	271802	52.986	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	24753	56.887	ug/L	92
69) 1,3,5-Trichlorobenzene	14.501	180	205705	52.067	ug/L	100
70) 1,2,4-trichlorobenzene	15.007	180	166225	52.198	ug/L	99
71) Naphthalene	15.232	128	352057	56.358	ug/L	100
72) 1,2,3-Trichlorobenzene	15.421	180	139018	50.754	ug/L	98

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

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