

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120421\
 Data File : VY006949.D
 Acq On : 04 Dec 2021 17:59
 Operator : SY/MD
 Sample : M4884-19MSD
 Misc : 6.01g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EW9K3MSD

Quant Time: Dec 05 06:09:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 04 02:26:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	140927	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	126469	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	53139	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	52569	28.963	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.840%
7) Chloroethane-d5	2.772	69	37857	26.589	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.360%
11) 1,1-Dichloroethene-d2	3.857	63	84448	22.380	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.520%
21) 2-Butanone-d5	6.887	46	31354	44.725	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.460%
24) Chloroform-d	7.478	84	75649	21.540	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.160%
26) 1,2-Dichloroethane-d4	8.143	65	47590	22.575	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.280%
32) Benzene-d6	8.112	84	149156	22.203	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	9.124	67	49389	23.399	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.600%
41) Toluene-d8	10.179	98	133878	21.277	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.120%
43) trans-1,3-Dichloroprop...	10.435	79	23155	22.680	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.720%
47) 2-Hexanone-d5	10.788	63	24264	49.668	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	12.556	84	39582	22.509	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.040%
66) 1,2-Dichlorobenzene-d4	13.721	152	31602	18.236	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.960%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	10921	12.275	ug/L	97
3) Chloromethane	2.119	50	39815	23.313	ug/L	99
5) Vinyl chloride	2.259	62	79624	31.652	ug/L	97
6) Bromomethane	2.668	94	41944	27.585	ug/L	96
8) Chloroethane	2.808	64	44310	29.685	ug/L	94
9) Trichlorofluoromethane	3.131	101	46781	25.607	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	42695	24.106	ug/L	94
12) 1,1-Dichloroethene	3.881	96	43004	22.550	ug/L	86
13) Acetone	3.942	43	34260	53.325	ug/L	97
14) Carbon disulfide	4.198	76	146985	23.379	ug/L	100
15) Methyl Acetate	4.472	43	37774	26.969	ug/L #	72
16) Methylene chloride	4.716	84	52834	20.906	ug/L	90
17) trans-1,2-Dichloroethene	5.222	96	45021	22.140	ug/L	96
18) Methyl tert-butyl Ether	5.222	73	91225	24.869	ug/L	98
19) 1,1-Dichloroethane	6.021	63	92847	24.276	ug/L	98
20) cis-1,2-Dichloroethene	6.990	96	54415	24.956	ug/L	94
22) 2-Butanone	6.984	43	56794	63.193	ug/L	94
23) Bromochloromethane	7.338	128	25117	25.243	ug/L #	81
25) Chloroform	7.508	83	94843	24.616	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	76733	27.482	ug/L	100
29) Cyclohexane	7.789	56	101402	28.768	ug/L	93
30) 1,1,1-Trichloroethane	7.704	97	83556	25.971	ug/L	98
31) Carbon tetrachloride	7.899	117	76171	24.814	ug/L	100
33) Benzene	8.161	78	217846	25.621	ug/L	100
34) Trichloroethene	8.941	95	52988	25.301	ug/L	93
35) Methylcyclohexane	9.185	83	100515	26.784	ug/L	94
37) 1,2-Dichloropropane	9.215	63	60494	27.755	ug/L	98
38) Bromodichloromethane	9.496	83	74209	26.279	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	88523	25.873	ug/L	100
40) 4-Methyl-2-pentanone	10.069	43	119448	62.832	ug/L	98
42) Toluene	10.246	91	230744	25.437	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	84792	26.519	ug/L	99
45) 1,1,2-Trichloroethane	10.642	97	44089	27.455	ug/L	98
46) Tetrachloroethene	10.721	164	68985	39.316	ug/L	98
48) 2-Hexanone	10.831	43	83516	66.571	ug/L	97
49) Dibromochloromethane	10.983	129	48536	24.836	ug/L	95
50) 1,2-Dibromoethane	11.087	107	39057	25.699	ug/L	99
51) Chlorobenzene	11.514	112	132271	23.908	ug/L	97
52) Ethylbenzene	11.593	91	243244	24.947	ug/L	99
53) m,p-Xylene	11.703	106	89724	24.326	ug/L	100
54) o-Xylene	12.026	106	80707	23.260	ug/L	100
55) Styrene	12.044	104	137933	22.721	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.581	83	53865	27.800	ug/L	95
59) Bromoform	12.209	173	30804	28.424	ug/L	98
60) Isopropylbenzene	12.331	105	204504	26.299	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	42928	33.235	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	169684	26.539	ug/L	99
63) 1,2,4-Trimethylbenzene	13.117	105	169347	27.079	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	84847	24.244	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	84351	23.653	ug/L	97
67) 1,2-Dichlorobenzene	13.739	146	69808	22.276	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	7655	27.524	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.501	180	38494	16.162	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	28459	14.815	ug/L	100
71) Naphthalene	15.233	128	73101	18.992	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	24436	15.055	ug/L	99

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

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