

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120421\
 Data File : VY006948.D
 Acq On : 04 Dec 2021 17:37
 Operator : SY/MD
 Sample : M4884-18MS
 Misc : 5.68g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EW9K3MS

Quant Time: Dec 05 06:08:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 04 02:26:29 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Mahesh Dadoda 12/14/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	138447	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	126149	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	59852	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	55710	31.244	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	124.960%
7) Chloroethane-d5	2.771	69	39017	27.894	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.560%
11) 1,1-Dichloroethene-d2	3.857	63	86043	23.211	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.840%
21) 2-Butanone-d5	6.893	46	45999	66.792	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.580%
24) Chloroform-d	7.484	84	81056	23.493	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.960%
26) 1,2-Dichloroethane-d4	8.142	65	52353	25.279	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.120%
32) Benzene-d6	8.112	84	159466	23.797	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	9.124	67	52443	24.909	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.640%
41) Toluene-d8	10.179	98	145560	23.193	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.760%
43) trans-1,3-Dichloroprop...	10.441	79	25880	25.413	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.640%
47) 2-Hexanone-d5	10.788	63	30984	63.585	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.160%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	47067	26.833	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.320%
66) 1,2-Dichlorobenzene-d4	13.721	152	40528	20.764	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	11753m	13.446	ug/L	
3) Chloromethane	2.119	50	37763	22.508	ug/L	99
5) Vinyl chloride	2.259	62	79924	32.340	ug/L	97
6) Bromomethane	2.662	94	44005	29.458	ug/L	100
8) Chloroethane	2.802	64	43835	29.893	ug/L	100
9) Trichlorofluoromethane	3.131	101	46341	25.820	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.911	101	42980	24.702	ug/L	92
12) 1,1-Dichloroethene	3.875	96	43292	23.107	ug/L	89
13) Acetone	3.942	43	35882	56.850	ug/L	97
14) Carbon disulfide	4.198	76	143755	23.275	ug/L	100
15) Methyl Acetate	4.472	43	43687	31.749	ug/L	97
16) Methylene chloride	4.716	84	51952	20.925	ug/L	83
17) trans-1,2-Dichloroethene	5.222	96	45377	22.715	ug/L	95
18) Methyl tert-butyl Ether	5.222	73	95627	26.536	ug/L	98
19) 1,1-Dichloroethane	6.021	63	93980	25.013	ug/L	99
20) cis-1,2-Dichloroethene	6.984	96	54246	25.324	ug/L	96
22) 2-Butanone	6.984	43	67534	76.489	ug/L	91
23) Bromochloromethane	7.338	128	26051	26.651	ug/L #	84
25) Chloroform	7.508	83	100231	26.480	ug/L	98

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27) 1,2-Dichloroethane	8.240	62	78035	28.449	ug/L	98
29) Cyclohexane	7.789	56	106927	30.412	ug/L	92
30) 1,1,1-Trichloroethane	7.703	97	88185	27.480	ug/L	98
31) Carbon tetrachloride	7.905	117	81071	26.477	ug/L	100
33) Benzene	8.161	78	225364	26.572	ug/L	100
34) Trichloroethene	8.941	95	54674	26.172	ug/L	90
35) Methylcyclohexane	9.185	83	104471	27.909	ug/L	95
37) 1,2-Dichloropropane	9.215	63	63932	29.407	ug/L	98
38) Bromodichloromethane	9.496	83	78999	28.046	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	94873	27.799	ug/L	100
40) 4-Methyl-2-pentanone	10.069	43	147867	77.979	ug/L	96
42) Toluene	10.246	91	235207	25.995	ug/L	100
44) trans-1,3-Dichloropropene	10.465	75	92316	28.946	ug/L	96
45) 1,1,2-Trichloroethane	10.642	97	46588	29.085	ug/L	92
46) Tetrachloroethene	10.721	164	69391	39.648	ug/L	97
48) 2-Hexanone	10.831	43	103743	82.903	ug/L	97
49) Dibromochloromethane	10.983	129	54338	27.875	ug/L	92
50) 1,2-Dibromoethane	11.087	107	45507	30.019	ug/L	98
51) Chlorobenzene	11.514	112	135872	24.622	ug/L	95
52) Ethylbenzene	11.593	91	255196	26.239	ug/L	99
53) m,p-Xylene	11.703	106	90168	24.508	ug/L	96
54) o-Xylene	12.032	106	84870	24.522	ug/L	98
55) Styrene	12.044	104	147284	24.323	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.581	83	61705	31.927	ug/L	92
59) Bromoform	12.209	173	34326	28.121	ug/L	98
60) Isopropylbenzene	12.331	105	228701	26.112	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	49393	33.951	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	190867	26.504	ug/L	100
63) 1,2,4-Trimethylbenzene	13.123	105	183703	26.080	ug/L	99
64) 1,3-Dichlorobenzene	13.361	146	93796	23.795	ug/L	95
65) 1,4-Dichlorobenzene	13.446	146	94874	23.620	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	83399	23.628	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.361	75	9357	29.870	ug/L	91
69) 1,3,5-Trichlorobenzene	14.501	180	44807	16.703	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	32995	15.250	ug/L	99
71) Naphthalene	15.239	128	89698	20.690	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	29035	15.882	ug/L	98

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

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