

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003749.D
 Acq On : 14 Dec 2020 14:42
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02596

Quant Time: Dec 15 03:23:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:46:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	343262	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	323600	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	164905	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	110211	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.12%
7) Chloroethane-d5	2.77	69	82204	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	3.86	63	229333	23.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.20%
20) 2-Butanone-d5	6.91	46	103423	50.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.32%
24) Chloroform-d	7.49	84	208627	23.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	8.15	65	119911	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	8.12	84	437312	23.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.40%
33) 1,2-Dichloropropane-d6	9.12	67	135580	23.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.00%
37) Toluene-d8	10.18	98	398226	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.96%
38) trans-1,3-Dichloropropene-	10.44	79	67325	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.72%
39) 2-Hexanone-d5	10.79	63	81104	50.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.86%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	124299	24.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.52%
61) 1,2-Dichlorobenzene-d4	13.72	152	145369	24.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	139992	23.897	ug/L 100
3) Chloromethane	2.12	50	128618	24.034	ug/L 97
5) Vinyl chloride	2.25	62	131822	24.520	ug/L 100
6) Bromomethane	2.66	94	80845	24.596	ug/L 100
8) Chloroethane	2.80	64	77862	24.786	ug/L 96
9) Trichlorofluoromethane	3.13	101	198597	24.179	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	122328	24.510	ug/L 99
12) 1,1-Dichloroethene	3.88	96	116016	24.454	ug/L 92
13) Acetone	3.95	43	71755	50.980	ug/L 100
14) Carbon disulfide	4.20	76	411708	24.663	ug/L 99
15) Methyl Acetate	4.48	43	92258	25.166	ug/L 99
16) Methylene chloride	4.73	84	144150	23.392	ug/L 99
17) Methyl tert-butyl Ether	5.23	73	340260	25.562	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	127397	24.788	ug/L 97
19) 1,1-Dichloroethane	6.03	63	221176	24.884	ug/L 99
21) 2-Butanone	7.00	43	124173	50.755	ug/L 99
22) cis-1,2-Dichloroethene	7.00	96	136964	25.132	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	65580	25.033	ug/L	95
25) Chloroform	7.51	83	217383	24.870	ug/L	100
27) 1,2-Dichloroethane	8.25	62	152753	25.216	ug/L	98
30) Cyclohexane	7.79	56	218575	24.607	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	195057	24.649	ug/L	100
32) Carbon tetrachloride	7.90	117	171138	24.493	ug/L	99
34) Benzene	8.17	78	511747	24.855	ug/L	100
35) Trichloroethene	8.94	95	136325	24.668	ug/L	99
36) Methylcyclohexane	9.19	83	231341	24.712	ug/L	99
40) 1,2-Dichloropropane	9.22	63	133762	25.066	ug/L	99
41) Bromodichloromethane	9.50	83	167986	25.143	ug/L	100
42) cis-1,3-Dichloropropene	9.93	75	214308	25.274	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	265795	51.366	ug/L	99
44) Toluene	10.25	91	550506	25.172	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	199731	25.741	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	109137	25.253	ug/L	99
47) Tetrachloroethene	10.72	164	108186	24.620	ug/L	99
49) 2-Hexanone	10.83	43	189780	53.444	ug/L	99
50) Dibromochloromethane	10.98	129	129680	25.614	ug/L	97
51) 1,2-Dibromoethane	11.09	107	110296	25.760	ug/L	98
52) Chlorobenzene	11.51	112	348002	24.862	ug/L	99
53) Ethylbenzene	11.59	91	603185	25.243	ug/L	100
54) m,p-Xylene	11.70	106	231113	25.075	ug/L	95
55) o-xylene	12.03	106	222255	25.696	ug/L	96
56) Styrene	12.04	104	384550	26.043	ug/L	96
57) Isopropylbenzene	12.33	105	589673	25.532	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	129490	25.646	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	109091	25.611	ug/L	100
62) Bromoform	12.21	173	85873	25.291	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	274860	25.779	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	274909	25.367	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	253893	25.804	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	24963	25.805	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	193205	26.027	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	166340	26.271	ug/L	98
69) Naphthalene	15.23	128	393259	27.221	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	151629	26.331	ug/L	97

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

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