

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003728.D
 Acq On : 11 Dec 2020 14:43
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02594

Quant Time: Dec 12 01:40:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	223310	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	213343	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	115900	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	69576	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
7) Chloroethane-d5	2.77	69	57101	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.88%
10) 1,1-Dichloroethene-d2	3.87	63	143329	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.48%
20) 2-Butanone-d5	6.90	46	51835	46.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.08%
24) Chloroform-d	7.49	84	149187	25.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.84%
26) 1,2-Dichloroethane-d4	8.15	65	83201	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.12	84	310250	25.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.48%
33) 1,2-Dichloropropane-d6	9.12	67	89810	24.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.28%
37) Toluene-d8	10.18	98	288911	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
38) trans-1,3-Dichloropropene-	10.44	79	45799	26.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.88%
39) 2-Hexanone-d5	10.79	63	44685	48.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.60%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	89589	27.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.04%
61) 1,2-Dichlorobenzene-d4	13.72	152	108454	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	67668	26.964	ug/L	99
3) Chloromethane	2.12	50	70471	25.874	ug/L	98
5) Vinyl chloride	2.26	62	78543	27.273	ug/L	96
6) Bromomethane	2.66	94	44077	23.670	ug/L	98
8) Chloroethane	2.80	64	48683	27.764	ug/L	98
9) Trichlorofluoromethane	3.14	101	125604	28.486	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	78898	27.835	ug/L	99
12) 1,1-Dichloroethene	3.89	96	76031	28.450	ug/L	84
13) Acetone	3.96	43	40337	48.877	ug/L	100
14) Carbon disulfide	4.20	76	238259	26.749	ug/L	99
15) Methyl Acetate	4.48	43	53411	25.721	ug/L	98
16) Methylene chloride	4.73	84	88919	22.677	ug/L	96
17) Methyl tert-butyl Ether	5.23	73	212849	28.098	ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	83150	27.633	ug/L	97
19) 1,1-Dichloroethane	6.03	63	135452	26.814	ug/L	97
21) 2-Butanone	7.00	43	68930	47.301	ug/L	97
22) cis-1,2-Dichloroethene	7.00	96	89503	27.911	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	44171	27.593	ug/L	95
25) Chloroform	7.51	83	142637	27.893	ug/L	99
27) 1,2-Dichloroethane	8.25	62	97862	28.292	ug/L	99
30) Cyclohexane	7.79	56	126080	27.431	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	129303	28.433	ug/L	99
32) Carbon tetrachloride	7.90	117	116797	28.932	ug/L	99
34) Benzene	8.17	78	335274	27.472	ug/L	100
35) Trichloroethene	8.94	95	88716	26.477	ug/L	99
36) Methylcyclohexane	9.18	83	142160	27.685	ug/L	99
40) 1,2-Dichloropropane	9.22	63	82707	27.021	ug/L	100
41) Bromodichloromethane	9.50	83	109752	28.221	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	136514	28.335	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	151454	52.677	ug/L	99
44) Toluene	10.25	91	364872	28.342	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	127734	28.764	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	73313	27.781	ug/L	97
47) Tetrachloroethene	10.72	164	74933	28.716	ug/L	96
49) 2-Hexanone	10.83	43	106108	52.513	ug/L	99
50) Dibromochloromethane	10.98	129	88622	28.695	ug/L	99
51) 1,2-Dibromoethane	11.09	107	71321	27.930	ug/L	99
52) Chlorobenzene	11.51	112	239983	28.325	ug/L	100
53) Ethylbenzene	11.59	91	398838	28.387	ug/L	100
54) m,p-Xylene	11.70	106	157931	29.138	ug/L	96
55) o-xylene	12.03	106	149655	28.780	ug/L	98
56) Styrene	12.04	104	264053	29.670	ug/L	99
57) Isopropylbenzene	12.33	105	398913	29.342	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	84979	30.035	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	70547	27.889	ug/L	99
62) Bromoform	12.21	173	60680	27.735	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	192027	27.861	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	193259	27.582	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	180798	28.592	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	16506	28.021	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	136443	28.001	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	115770	27.850	ug/L	100
69) Naphthalene	15.23	128	244533	28.047	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	106523	28.053	ug/L	99

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

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