

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\
 Data File : VY003595.D
 Acq On : 24 Nov 2020 10:39
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02586

Quant Time: Nov 25 05:59:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 05:55:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	195724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	179730	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	88880	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	42431	19.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.68%
7) Chloroethane-d5	2.77	69	39067	19.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.08%
10) 1,1-Dichloroethene-d2	3.86	63	111309	20.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.48%
20) 2-Butanone-d5	6.90	46	48754	44.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.64%
24) Chloroform-d	7.49	84	110879	22.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.16%
26) 1,2-Dichloroethane-d4	8.14	65	59811	21.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.80%
29) Benzene-d6	8.11	84	222307	21.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.92%
33) 1,2-Dichloropropane-d6	9.13	67	67209	21.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.56%
37) Toluene-d8	10.18	98	201138	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.76%
38) trans-1,3-Dichloropropene-	10.44	79	32236	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.16%
39) 2-Hexanone-d5	10.79	63	35909	44.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.96%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	58371	21.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.28%
61) 1,2-Dichlorobenzene-d4	13.72	152	59776	20.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.93	85	25098	24.195	ug/L 91
3) Chloromethane	2.12	50	54286	24.863	ug/L 96
5) Vinyl chloride	2.26	62	71753	27.514	ug/L 99
6) Bromomethane	2.67	94	50333	24.865	ug/L 100
8) Chloroethane	2.80	64	44037	24.869	ug/L 97
9) Trichlorofluoromethane	3.13	101	62082	24.836	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	67324	25.974	ug/L 99
12) 1,1-Dichloroethene	3.88	96	70137	25.872	ug/L 95
13) Acetone	3.98	43	36547	46.798	ug/L 97
14) Carbon disulfide	4.20	76	231200	25.742	ug/L 98
15) Methyl Acetate	4.49	43	48083	24.258	ug/L 99
16) Methylene chloride	4.72	84	77149	22.992	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	104144	24.587	ug/L # 90
18) trans-1,2-Dichloroethene	5.23	96	73955	25.885	ug/L 95
19) 1,1-Dichloroethane	6.02	63	123989	25.697	ug/L 99
21) 2-Butanone	7.00	43	62263	47.343	ug/L # 73
22) cis-1,2-Dichloroethene	6.99	96	75508	25.732	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	36530	25.708	ug/L	93
25) Chloroform	7.51	83	123392	25.718	ug/L	100
27) 1,2-Dichloroethane	8.24	62	79526	24.537	ug/L	97
30) Cyclohexane	7.79	56	109352	25.023	ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	97048	24.820	ug/L	99
32) Carbon tetrachloride	7.90	117	93906	25.269	ug/L	99
34) Benzene	8.16	78	291506	25.712	ug/L	100
35) Trichloroethene	8.94	95	71943	25.059	ug/L	99
36) Methylcyclohexane	9.18	83	108068	24.079	ug/L	99
40) 1,2-Dichloropropane	9.22	63	70960	25.386	ug/L	100
41) Bromodichloromethane	9.50	83	89203	25.002	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	109407	24.820	ug/L	100
43) 4-Methyl-2-pentanone	10.07	43	108338	46.320	ug/L	100
44) Toluene	10.24	91	302840	25.345	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	102752	25.307	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	56270	25.195	ug/L	98
47) Tetrachloroethene	10.72	164	62976	25.233	ug/L	97
49) 2-Hexanone	10.83	43	89424	48.404	ug/L	99
50) Dibromochloromethane	10.99	129	66643	24.747	ug/L	95
51) 1,2-Dibromoethane	11.09	107	56545	25.403	ug/L	100
52) Chlorobenzene	11.52	112	191416	25.081	ug/L	100
53) Ethylbenzene	11.60	91	302852	24.673	ug/L	99
54) m,p-Xylene	11.70	106	117038	24.771	ug/L	99
55) o-xylene	12.03	106	94451	23.948	ug/L	92
56) Styrene	12.05	104	196798	25.482	ug/L	97
57) Isopropylbenzene	12.33	105	206894	23.178	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	64742	24.571	ug/L	97
59) 1,2,3-Trichloropropane	12.63	75	49144	23.960	ug/L	99
62) Bromoform	12.20	173	44391	24.607	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	140704	25.087	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	145024	25.111	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	111170	24.067	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	8708	22.147	ug/L	95
67) 1,3,5-Trichlorobenzene	14.50	180	71068	23.886	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	60677	23.673	ug/L	99
69) Naphthalene	15.23	128	106650	23.590	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	45729	23.601	ug/L	99

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

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