

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003640.D
 Acq On : 02 Dec 2020 10:18
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025409

Quant Time: Dec 03 01:01:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 02 13:00:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	221918	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205147	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	104786	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	68436	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
7) Chloroethane-d5	2.77	69	54548	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	3.87	63	142365	24.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.68%
21) 2-Butanone-d5	6.90	46	69703	55.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.98%
24) Chloroform-d	7.48	84	138298	24.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	8.15	65	73768	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	8.12	84	289663	24.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.36%
36) 1,2-Dichloropropane-d6	9.12	67	86683	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	10.18	98	260886	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	10.44	79	40575	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.64%
47) 2-Hexanone-d5	10.79	63	53623	56.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.04%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	91446	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
66) 1,2-Dichlorobenzene-d4	13.72	152	91059	24.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	68120	26.448	ug/L 99
3) Chloromethane	2.12	50	75118	26.893	ug/L 99
5) Vinyl chloride	2.26	62	81267	27.114	ug/L 98
6) Bromomethane	2.66	94	50210	26.755	ug/L 98
8) Chloroethane	2.80	64	49172	26.276	ug/L 93
9) Trichlorofluoromethane	3.14	101	123192	27.083	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	80120	26.386	ug/L 98
12) 1,1-Dichloroethene	3.89	96	76082	26.374	ug/L 89
13) Acetone	3.96	43	53019	59.430	ug/L 94
14) Carbon disulfide	4.21	76	255347	26.794	ug/L 100
15) Methyl Acetate	4.49	43	56568	26.331	ug/L 97
16) Methylene chloride	4.73	84	82155	21.930	ug/L 94
17) trans-1,2-Dichloroethene	5.23	96	83230	26.270	ug/L 96
18) Methyl tert-butyl Ether	5.23	73	190006	24.538	ug/L 99
19) 1,1-Dichloroethane	6.03	63	139337	26.126	ug/L 100
20) cis-1,2-Dichloroethene	7.00	96	87348	26.289	ug/L 89
22) 2-Butanone	7.00	43	82760	55.180	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	41088	25.358	ug/L	96
25) Chloroform	7.51	83	136732	25.590	ug/L	97
27) 1,2-Dichloroethane	8.25	62	89572	25.468	ug/L	96
29) Cyclohexane	7.79	56	134308	27.575	ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	125998	26.940	ug/L	100
31) Carbon tetrachloride	7.90	117	113389	26.861	ug/L	99
33) Benzene	8.17	78	329188	26.256	ug/L	100
34) Trichloroethene	8.94	95	81762	26.126	ug/L	97
35) Methylcyclohexane	9.18	83	144854	27.071	ug/L	99
37) 1,2-Dichloropropane	9.22	63	81479	25.601	ug/L	99
38) Bromodichloromethane	9.50	83	102089	25.483	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	125877	25.601	ug/L	95
40) 4-Methyl-2-pentanone	10.08	43	155063	55.493	ug/L	99
42) Toluene	10.25	91	348634	26.469	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	114762	25.286	ug/L	98
45) 1,1,2-Trichloroethane	10.65	97	65212	24.399	ug/L	97
46) Tetrachloroethene	10.72	164	69973	26.124	ug/L	98
48) 2-Hexanone	10.83	43	117725	57.713	ug/L	99
49) Dibromochloromethane	10.98	129	77235	25.005	ug/L	98
50) 1,2-Dibromoethane	11.09	107	63783	24.674	ug/L	96
51) Chlorobenzene	11.51	112	217871	25.673	ug/L	99
52) Ethylbenzene	11.59	91	371278	26.344	ug/L	99
53) m,p-Xylene	11.70	106	144716	26.257	ug/L	96
54) o-Xylene	12.03	106	137417	26.397	ug/L	100
55) Styrene	12.04	104	237336	26.647	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	91267	25.770	ug/L	96
59) Bromoform	12.21	173	53501	26.007	ug/L	99
60) Isopropylbenzene	12.33	105	365736	27.302	ug/L	100
61) 1,2,3-Trichloropropane	12.64	75	65021	25.948	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	292955	27.579	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	286648	27.312	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	170533	26.311	ug/L	97
65) 1,4-Dichlorobenzene	13.45	146	168185	25.537	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	156723	25.752	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	15780	27.138	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	119152	26.169	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	98171	25.313	ug/L	99
71) Naphthalene	15.23	128	218279	25.780	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	90473	25.400	ug/L	100

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

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