

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003851.D
 Acq On : 29 Dec 2020 14:00
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

Quant Time: Dec 30 07:16:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 13:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	324208	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	309180	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	178526	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	126537	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.28%
7) Chloroethane-d5	2.77	69	106439	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	3.86	63	230524	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.40%
21) 2-Butanone-d5	6.89	46	107575	51.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.14%
24) Chloroform-d	7.48	84	230731	25.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	8.14	65	146201	25.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.52%
32) Benzene-d6	8.11	84	438654	25.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.08%
36) 1,2-Dichloropropane-d6	9.12	67	132804	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.76%
41) Toluene-d8	10.18	98	421897	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.68%
43) trans-1,3-Dichloropropene-	10.43	79	72694	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.68%
47) 2-Hexanone-d5	10.79	63	81137	51.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.20%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	132179	26.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.08%
66) 1,2-Dichlorobenzene-d4	13.72	152	169348	25.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	120571	22.199	ug/L 99
3) Chloromethane	2.11	50	138740	22.810	ug/L 97
5) Vinyl chloride	2.25	62	156406	24.236	ug/L 99
6) Bromomethane	2.66	94	101439	25.710	ug/L 94
8) Chloroethane	2.80	64	97199	24.957	ug/L 98
9) Trichlorofluoromethane	3.13	101	211955	24.585	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	112400	24.829	ug/L 99
12) 1,1-Dichloroethene	3.88	96	106570	25.076	ug/L 91
13) Acetone	3.95	43	76040	48.870	ug/L 99
14) Carbon disulfide	4.20	76	369438	25.828	ug/L 99
15) Methyl Acetate	4.48	43	88734	24.786	ug/L 99
16) Methylene chloride	4.72	84	124544	23.952	ug/L 97
17) trans-1,2-Dichloroethene	5.23	96	118358	25.453	ug/L 98
18) Methyl tert-butyl Ether	5.22	73	346614	25.235	ug/L 99
19) 1,1-Dichloroethane	6.03	63	214572	25.539	ug/L 99
20) cis-1,2-Dichloroethene	6.99	96	130152	25.886	ug/L 93
22) 2-Butanone	7.00	43	121699	50.465	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	65313	26.270	ug/L	97
25) Chloroform	7.51	83	225662	25.621	ug/L	97
27) 1,2-Dichloroethane	8.24	62	176185	25.740	ug/L	98
29) Cyclohexane	7.78	56	207444	25.602	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	210906	25.343	ug/L	99
31) Carbon tetrachloride	7.90	117	195891	25.454	ug/L	100
33) Benzene	8.16	78	484723	25.647	ug/L	100
34) Trichloroethene	8.94	95	132567	25.381	ug/L	99
35) Methylcyclohexane	9.19	83	218613	25.719	ug/L	98
37) 1,2-Dichloropropane	9.22	63	123356	25.638	ug/L	99
38) Bromodichloromethane	9.50	83	175642	25.910	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	208951	25.421	ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	260798	50.772	ug/L	100
42) Toluene	10.24	91	543328	25.989	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	203979	25.706	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	105798	25.601	ug/L	99
46) Tetrachloroethene	10.72	164	113773	25.182	ug/L	97
48) 2-Hexanone	10.83	43	188753	50.433	ug/L	98
49) Dibromochloromethane	10.98	129	133460	25.508	ug/L	96
50) 1,2-Dibromoethane	11.09	107	105284	25.800	ug/L	97
51) Chlorobenzene	11.51	112	347225	25.682	ug/L	98
52) Ethylbenzene	11.59	91	603293	25.761	ug/L	99
53) m,p-Xylene	11.70	106	229234	25.812	ug/L	95
54) o-Xylene	12.03	106	223524	25.848	ug/L	96
55) Styrene	12.04	104	392026	26.215	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	125584	25.678	ug/L	98
59) Bromoform	12.20	173	97961	25.425	ug/L	99
60) Isopropylbenzene	12.32	105	604960	25.632	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	110167	25.127	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	513085	26.173	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	518483	26.107	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	290990	25.451	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	293405	25.343	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	273761	25.570	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	28764	26.393	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	225199	25.266	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	192759	25.507	ug/L	98
71) Naphthalene	15.23	128	414129	26.250	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	177093	26.530	ug/L	98

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

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