

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003858.D
 Acq On : 29 Dec 2020 17:52
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025202

Quant Time: Dec 30 07:21:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:19:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	325105	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	305050	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	175151	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	114512	20.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.28%
7) Chloroethane-d5	2.76	69	94839	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
11) 1,1-Dichloroethene-d2	3.86	63	215612	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.88%
21) 2-Butanone-d5	6.89	46	101390	48.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.94%
24) Chloroform-d	7.48	84	210228	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	8.14	65	133023	23.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.04%
32) Benzene-d6	8.11	84	395139	23.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	9.12	67	119965	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	10.18	98	376682	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
43) trans-1,3-Dichloropropene-	10.43	79	66409	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.12%
47) 2-Hexanone-d5	10.78	63	77960	50.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.52%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	123835	25.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.72%
66) 1,2-Dichlorobenzene-d4	13.72	152	155035	24.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	123379	22.653	ug/L 98
3) Chloromethane	2.11	50	142208	23.316	ug/L 95
5) Vinyl chloride	2.25	62	159509	24.649	ug/L 99
6) Bromomethane	2.65	94	103301	26.110	ug/L 99
8) Chloroethane	2.80	64	99758	25.543	ug/L 97
9) Trichlorofluoromethane	3.13	101	223359	25.836	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	119999	26.434	ug/L 99
12) 1,1-Dichloroethene	3.88	96	113705	26.681	ug/L 98
13) Acetone	3.95	43	80863	51.827	ug/L 98
14) Carbon disulfide	4.20	76	379390	26.451	ug/L 100
15) Methyl Acetate	4.48	43	95581	26.625	ug/L 99
16) Methylene chloride	4.72	84	129287	24.795	ug/L 96
17) trans-1,2-Dichloroethene	5.22	96	123335	26.450	ug/L 98
18) Methyl tert-butyl Ether	5.23	73	362750	26.337	ug/L 100
19) 1,1-Dichloroethane	6.02	63	225903	26.813	ug/L 99
20) cis-1,2-Dichloroethene	6.98	96	135537	26.883	ug/L 93
22) 2-Butanone	6.99	43	129343	53.486	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	68926	27.647	ug/L	92
25) Chloroform	7.51	83	236817	26.813	ug/L	100
27) 1,2-Dichloroethane	8.24	62	182798	26.632	ug/L	98
29) Cyclohexane	7.78	56	217103	27.157	ug/L	99
30) 1,1,1-Trichloroethane	7.70	97	220673	26.876	ug/L	100
31) Carbon tetrachloride	7.90	117	202228	26.633	ug/L	98
33) Benzene	8.16	78	507212	27.201	ug/L	100
34) Trichloroethene	8.94	95	137517	26.685	ug/L	98
35) Methylcyclohexane	9.18	83	231954	27.658	ug/L	99
37) 1,2-Dichloropropane	9.22	63	129857	27.354	ug/L	100
38) Bromodichloromethane	9.50	83	183203	27.391	ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	218884	26.990	ug/L	93
40) 4-Methyl-2-pentanone	10.07	43	280866	55.419	ug/L	100
42) Toluene	10.24	91	564807	27.382	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	212020	27.082	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	111039	27.233	ug/L	97
46) Tetrachloroethene	10.72	164	119365	26.778	ug/L	99
48) 2-Hexanone	10.83	43	206654	55.964	ug/L	99
49) Dibromochloromethane	10.98	129	143013	27.704	ug/L	96
50) 1,2-Dibromoethane	11.09	107	110877	27.539	ug/L	100
51) Chlorobenzene	11.51	112	362497	27.174	ug/L	98
52) Ethylbenzene	11.59	91	637004	27.569	ug/L	100
53) m,p-Xylene	11.70	106	241083	27.513	ug/L	98
54) o-Xylene	12.03	106	234078	27.435	ug/L	100
55) Styrene	12.04	104	411669	27.901	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.57	83	134159	27.803	ug/L	99
59) Bromoform	12.20	173	103542	27.391	ug/L	100
60) Isopropylbenzene	12.32	105	634880	27.418	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	115733	26.905	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	534326	27.782	ug/L	100
63) 1,2,4-Trimethylbenzene	13.11	105	543232	27.880	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	304807	27.174	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	309867	27.281	ug/L	100
67) 1,2-Dichlorobenzene	13.73	146	286717	27.296	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.35	75	29364	27.463	ug/L	96
69) 1,3,5-Trichlorobenzene	14.50	180	236860	27.087	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	199634	26.926	ug/L	99
71) Naphthalene	15.23	128	425887	27.516	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	180439	27.552	ug/L	97

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

