

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\
 Data File : VY003615.D
 Acq On : 24 Nov 2020 18:49
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02587

Quant Time: Nov 25 06:05:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 06:01:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	187425	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	173443	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	89810	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	41998	20.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.32%
7) Chloroethane-d5	2.77	69	39806	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.08%
10) 1,1-Dichloroethene-d2	3.86	63	112156	21.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.84%
20) 2-Butanone-d5	6.91	46	51565	49.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.02%
24) Chloroform-d	7.49	84	121321	25.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.88%
26) 1,2-Dichloroethane-d4	8.14	65	68608	25.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.80%
29) Benzene-d6	8.11	84	242267	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
33) 1,2-Dichloropropane-d6	9.12	67	75685	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.16%
37) Toluene-d8	10.18	98	219145	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.84%
38) trans-1,3-Dichloropropene-	10.44	79	37206	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.64%
39) 2-Hexanone-d5	10.79	63	39654	51.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.94%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	66261	25.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	68478	23.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.92	85	22318	22.468	ug/L 94
3) Chloromethane	2.12	50	48026	22.970	ug/L 99
5) Vinyl chloride	2.26	62	69108	27.673	ug/L 100
6) Bromomethane	2.66	94	50114	25.853	ug/L 99
8) Chloroethane	2.80	64	43808	25.835	ug/L 96
9) Trichlorofluoromethane	3.13	101	54401	22.727	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	67407	27.157	ug/L 98
12) 1,1-Dichloroethene	3.88	96	70973	27.339	ug/L 88
13) Acetone	3.97	43	35694	47.730	ug/L 99
14) Carbon disulfide	4.20	76	222720	25.896	ug/L 99
15) Methyl Acetate	4.49	43	48606	25.608	ug/L 99
16) Methylene chloride	4.72	84	81434	25.344	ug/L 94
17) Methyl tert-butyl Ether	5.23	73	114890	28.325	ug/L # 90
18) trans-1,2-Dichloroethene	5.22	96	72746	26.590	ug/L 97
19) 1,1-Dichloroethane	6.02	63	126344	27.345	ug/L 98
21) 2-Butanone	7.00	43	61165	48.567	ug/L 99
22) cis-1,2-Dichloroethene	6.99	96	77938	27.736	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	39211	28.817	ug/L	92
25) Chloroform	7.51	83	127909	27.840	ug/L	99
27) 1,2-Dichloroethane	8.24	62	88374	28.474	ug/L	98
30) Cyclohexane	7.78	56	106469	25.246	ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	97830	25.926	ug/L	99
32) Carbon tetrachloride	7.91	117	92387	25.762	ug/L	99
34) Benzene	8.16	78	298664	27.299	ug/L	100
35) Trichloroethene	8.94	95	71306	25.738	ug/L	99
36) Methylcyclohexane	9.18	83	110888	25.603	ug/L	99
40) 1,2-Dichloropropane	9.22	63	75496	27.988	ug/L	99
41) Bromodichloromethane	9.50	83	97664	28.366	ug/L #	98
42) cis-1,3-Dichloropropene	9.93	75	120249	28.268	ug/L	94
43) 4-Methyl-2-pentanone	10.07	43	117828	52.204	ug/L	99
44) Toluene	10.24	91	314784	27.299	ug/L	99
45) trans-1,3-Dichloropropene	10.46	75	111675	28.502	ug/L	97
46) 1,1,2-Trichloroethane	10.64	97	62693	29.089	ug/L	98
47) Tetrachloroethene	10.72	164	63175	26.230	ug/L	96
49) 2-Hexanone	10.83	43	95293	53.451	ug/L	99
50) Dibromochloromethane	10.99	129	74131	28.526	ug/L	98
51) 1,2-Dibromoethane	11.09	107	62342	29.023	ug/L	96
52) Chlorobenzene	11.52	112	201623	27.376	ug/L	98
53) Ethylbenzene	11.59	91	311325	26.283	ug/L	98
54) m,p-Xylene	11.70	106	121619	26.674	ug/L	99
55) o-xylene	12.03	106	97456	25.605	ug/L	93
56) Styrene	12.04	104	212459	28.507	ug/L	98
57) Isopropylbenzene	12.33	105	207673	24.108	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	70098	27.568	ug/L	98
59) 1,2,3-Trichloropropane	12.63	75	51914	26.228	ug/L	99
62) Bromoform	12.20	173	49886	27.367	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	148217	26.152	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	153307	26.270	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	122980	26.348	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	9205	23.169	ug/L	92
67) 1,3,5-Trichlorobenzene	14.50	180	73084	24.309	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	63307	24.444	ug/L	99
69) Naphthalene	15.23	128	116147	25.424	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	50688	25.890	ug/L	98

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

