

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003691.D
 Acq On : 09 Dec 2020 09:58
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02590

Quant Time: Dec 10 02:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:58:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	243785	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	233828	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	126060	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73340	21.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.08%
7) Chloroethane-d5	2.77	69	57714	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.76%
10) 1,1-Dichloroethene-d2	3.87	63	147924	22.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.20%
20) 2-Butanone-d5	6.90	46	47452	38.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.22%
24) Chloroform-d	7.49	84	147168	23.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	8.15	65	81422	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.28%
29) Benzene-d6	8.12	84	315804	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
33) 1,2-Dichloropropane-d6	9.12	67	93806	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.68%
37) Toluene-d8	10.18	98	291582	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.44	79	45345	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.72%
39) 2-Hexanone-d5	10.79	63	41808	41.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	86106	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.48%
61) 1,2-Dichlorobenzene-d4	13.72	152	108437	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	69597	25.403	ug/L 99
3) Chloromethane	2.12	50	70895	23.844	ug/L 99
5) Vinyl chloride	2.26	62	79139	25.172	ug/L 96
6) Bromomethane	2.66	94	49298	24.251	ug/L 94
8) Chloroethane	2.81	64	49023	25.610	ug/L 97
9) Trichlorofluoromethane	3.14	101	127097	26.404	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	80936	26.156	ug/L 100
12) 1,1-Dichloroethene	3.89	96	76381	26.180	ug/L 89
13) Acetone	3.97	43	39908	44.296	ug/L 98
14) Carbon disulfide	4.21	76	248556	25.561	ug/L 100
15) Methyl Acetate	4.50	43	53092	23.420	ug/L 99
16) Methylene chloride	4.73	84	93709	21.892	ug/L 99
17) Methyl tert-butyl Ether	5.24	73	210296	25.429	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	82925	25.244	ug/L 98
19) 1,1-Dichloroethane	6.03	63	140787	25.529	ug/L 99
21) 2-Butanone	7.00	43	67310	42.310	ug/L 95
22) cis-1,2-Dichloroethene	7.00	96	89687	25.619	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.34	128	44660	25.555	ug/L	91
25) Chloroform	7.51	83	144709	25.922	ug/L	100
27) 1,2-Dichloroethane	8.25	62	95376	25.258	ug/L #	94
30) Cyclohexane	7.79	56	129499	25.706	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	129155	25.912	ug/L	99
32) Carbon tetrachloride	7.91	117	117764	26.616	ug/L	99
34) Benzene	8.17	78	343350	25.669	ug/L	100
35) Trichloroethene	8.95	95	91488	24.912	ug/L	99
36) Methylcyclohexane	9.18	83	149590	26.580	ug/L	100
40) 1,2-Dichloropropane	9.22	63	84944	25.320	ug/L	99
41) Bromodichloromethane	9.50	83	108793	25.524	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	135495	25.659	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	149615	47.478	ug/L	98
44) Toluene	10.25	91	375619	26.621	ug/L	100
45) trans-1,3-Dichloropropene	10.46	75	126887	26.070	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	73905	25.552	ug/L	99
47) Tetrachloroethene	10.72	164	74927	26.198	ug/L	96
49) 2-Hexanone	10.83	43	107396	48.494	ug/L	99
50) Dibromochloromethane	10.99	129	88083	26.022	ug/L	99
51) 1,2-Dibromoethane	11.09	107	72108	25.764	ug/L #	98
52) Chlorobenzene	11.52	112	241924	26.053	ug/L	97
53) Ethylbenzene	11.59	91	405921	26.360	ug/L	99
54) m,p-Xylene	11.70	106	159275	26.812	ug/L	98
55) o-xylene	12.03	106	152504	26.758	ug/L	99
56) Styrene	12.04	104	265540	27.223	ug/L	97
57) Isopropylbenzene	12.33	105	409247	27.465	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.59	83	83547	26.942	ug/L	95
59) 1,2,3-Trichloropropane	12.64	75	69952	25.231	ug/L	99
62) Bromoform	12.21	173	59081	24.827	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	198176	26.436	ug/L	100
64) 1,4-Dichlorobenzene	13.45	146	197392	25.901	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	182612	26.551	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	15543	24.260	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	139953	26.406	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	118257	26.156	ug/L	99
69) Naphthalene	15.24	128	243511	25.679	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	107748	26.089	ug/L	98

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

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