

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003766.D
 Acq On : 14 Dec 2020 22:36
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02597

Quant Time: Dec 15 03:43:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 03:40:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	333407	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	311871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	162614	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	113283	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
7) Chloroethane-d5	2.77	69	87960	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
10) 1,1-Dichloroethene-d2	3.86	63	229624	24.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.08%
20) 2-Butanone-d5	6.90	46	98999	49.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.86%
24) Chloroform-d	7.49	84	219646	25.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.48%
26) 1,2-Dichloroethane-d4	8.15	65	127578	26.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.24%
29) Benzene-d6	8.12	84	439272	24.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.32%
33) 1,2-Dichloropropane-d6	9.12	67	134562	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.76%
37) Toluene-d8	10.18	98	407448	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.76%
38) trans-1,3-Dichloropropene-	10.44	79	70683	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.20%
39) 2-Hexanone-d5	10.79	63	77747	50.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	126442	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.92%
61) 1,2-Dichlorobenzene-d4	13.72	152	150418	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	132736	23.328	ug/L	100
3) Chloromethane	2.12	50	124609	23.973	ug/L	100
5) Vinyl chloride	2.26	62	132080	25.294	ug/L	97
6) Bromomethane	2.66	94	84204	26.375	ug/L	100
8) Chloroethane	2.80	64	79584	26.083	ug/L	99
9) Trichlorofluoromethane	3.14	101	195588	24.517	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	116107	23.951	ug/L	98
12) 1,1-Dichloroethene	3.88	96	111095	24.109	ug/L	96
13) Acetone	3.96	43	64659	47.296	ug/L	95
14) Carbon disulfide	4.20	76	379032	23.376	ug/L	100
15) Methyl Acetate	4.49	43	84397	23.702	ug/L	100
16) Methylene chloride	4.73	84	130500	21.803	ug/L	96
17) Methyl tert-butyl Ether	5.23	73	333672	25.808	ug/L	98
18) trans-1,2-Dichloroethene	5.23	96	122981	24.636	ug/L	97
19) 1,1-Dichloroethane	6.03	63	215918	25.010	ug/L	98
21) 2-Butanone	7.00	43	111065	46.739	ug/L	100
22) cis-1,2-Dichloroethene	7.00	96	133089	25.143	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	65467	25.728	ug/L	99
25) Chloroform	7.52	83	216326	25.481	ug/L	99
27) 1,2-Dichloroethane	8.25	62	156500	26.598	ug/L	97
30) Cyclohexane	7.79	56	203815	23.808	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	194526	25.507	ug/L	99
32) Carbon tetrachloride	7.90	117	169775	25.211	ug/L	100
34) Benzene	8.17	78	495359	24.964	ug/L	100
35) Trichloroethene	8.94	95	131756	24.738	ug/L	99
36) Methylcyclohexane	9.18	83	216432	23.989	ug/L	100
40) 1,2-Dichloropropane	9.22	63	127290	24.750	ug/L	99
41) Bromodichloromethane	9.50	83	166148	25.803	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	205791	25.182	ug/L	96
43) 4-Methyl-2-pentanone	10.07	43	243867	48.901	ug/L	98
44) Toluene	10.25	91	537208	25.487	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	193298	25.849	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	106347	25.533	ug/L	97
47) Tetrachloroethene	10.72	164	104328	24.635	ug/L	97
49) 2-Hexanone	10.83	43	174710	51.051	ug/L	99
50) Dibromochloromethane	10.98	129	126801	25.987	ug/L	97
51) 1,2-Dibromoethane	11.09	107	104912	25.424	ug/L	96
52) Chlorobenzene	11.51	112	345378	25.602	ug/L	99
53) Ethylbenzene	11.59	91	590469	25.640	ug/L	100
54) m,p-Xylene	11.70	106	226060	25.449	ug/L	97
55) o-xylene	12.03	106	220683	26.474	ug/L	99
56) Styrene	12.04	104	381246	26.790	ug/L	98
57) Isopropylbenzene	12.33	105	577452	25.943	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	122575	25.190	ug/L	98
59) 1,2,3-Trichloropropane	12.64	75	103039	25.100	ug/L	99
62) Bromoform	12.21	173	85917	25.661	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	267967	25.487	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	266695	24.956	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	249846	25.751	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	23052	24.165	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	186386	25.462	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	156434	25.055	ug/L	100
69) Naphthalene	15.23	128	364654	25.597	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	143315	25.238	ug/L	99

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

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