

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003689.D
 Acq On : 08 Dec 2020 20:31
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02589

Quant Time: Dec 09 02:01:42 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	222317	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	215782	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	112826	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	78603	25.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.00%
7) Chloroethane-d5	2.77	69	60642	25.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.28%
10) 1,1-Dichloroethene-d2	3.87	63	150009	25.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.40%
20) 2-Butanone-d5	6.90	46	48168	42.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.96%
24) Chloroform-d	7.49	84	151270	26.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.76%
26) 1,2-Dichloroethane-d4	8.15	65	85394	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.12%
29) Benzene-d6	8.12	84	325693	26.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.28%
33) 1,2-Dichloropropane-d6	9.12	67	96365	26.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.28%
37) Toluene-d8	10.18	98	299667	26.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.04%
38) trans-1,3-Dichloropropene-	10.44	79	47955	27.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.56%
39) 2-Hexanone-d5	10.79	63	42307	45.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.36%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	88693	26.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.72%
61) 1,2-Dichlorobenzene-d4	13.72	152	114355	27.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	64153	25.677	ug/L	100
3) Chloromethane	2.12	50	68995	25.446	ug/L	96
5) Vinyl chloride	2.26	62	72474	25.278	ug/L	100
6) Bromomethane	2.66	94	47008	25.357	ug/L	98
8) Chloroethane	2.80	64	45669	26.161	ug/L	91
9) Trichlorofluoromethane	3.14	101	112028	25.521	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	74563	26.424	ug/L	99
12) 1,1-Dichloroethene	3.88	96	70098	26.347	ug/L	94
13) Acetone	3.96	43	36241	44.110	ug/L	97
14) Carbon disulfide	4.20	76	227512	25.656	ug/L	99
15) Methyl Acetate	4.49	43	48188	23.310	ug/L	98
16) Methylene chloride	4.73	84	86935	22.270	ug/L	98
17) Methyl tert-butyl Ether	5.23	73	198135	26.272	ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	77833	25.982	ug/L	95
19) 1,1-Dichloroethane	6.03	63	131401	26.128	ug/L	99
21) 2-Butanone	7.00	43	63169	43.542	ug/L	96
22) cis-1,2-Dichloroethene	7.00	96	84736	26.542	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	42602	26.732	ug/L	94
25) Chloroform	7.51	83	134983	26.514	ug/L	98
27) 1,2-Dichloroethane	8.25	62	90448	26.266	ug/L	98
30) Cyclohexane	7.80	56	119337	25.670	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	118572	25.778	ug/L	99
32) Carbon tetrachloride	7.91	117	105841	25.922	ug/L	97
34) Benzene	8.17	78	323878	26.238	ug/L	100
35) Trichloroethene	8.94	95	84153	24.831	ug/L	99
36) Methylcyclohexane	9.19	83	136614	26.304	ug/L	99
40) 1,2-Dichloropropane	9.22	63	81168	26.218	ug/L	99
41) Bromodichloromethane	9.50	83	103918	26.419	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	128965	26.465	ug/L	96
43) 4-Methyl-2-pentanone	10.08	43	136725	47.017	ug/L	97
44) Toluene	10.25	91	351331	26.982	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	120668	26.865	ug/L	97
46) 1,1,2-Trichloroethane	10.65	97	70384	26.369	ug/L	97
47) Tetrachloroethene	10.72	164	68761	26.053	ug/L	96
49) 2-Hexanone	10.83	43	97954	47.930	ug/L	98
50) Dibromochloromethane	10.98	129	83881	26.853	ug/L	97
51) 1,2-Dibromoethane	11.09	107	66972	25.931	ug/L	96
52) Chlorobenzene	11.51	112	229389	26.769	ug/L	99
53) Ethylbenzene	11.59	91	382639	26.926	ug/L	99
54) m,p-Xylene	11.70	106	149975	27.358	ug/L	100
55) o-xylene	12.03	106	144570	27.488	ug/L	99
56) Styrene	12.04	104	252290	28.027	ug/L	97
57) Isopropylbenzene	12.33	105	381436	27.740	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	81235	28.387	ug/L	95
59) 1,2,3-Trichloropropane	12.64	75	65372	25.551	ug/L	99
62) Bromoform	12.21	173	57621	27.054	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	185881	27.704	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	186233	27.303	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	171883	27.923	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	14497	25.281	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	125698	26.499	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	105957	26.184	ug/L	99
69) Naphthalene	15.24	128	221554	26.104	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	98473	26.640	ug/L	97

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

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