

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003678.D
 Acq On : 08 Dec 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

Quant Time: Dec 09 01:55:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 14:35:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	248420	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	231428	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	123124	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	86569	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
7) Chloroethane-d5	2.77	69	66981	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
10) 1,1-Dichloroethene-d2	3.86	63	169980	25.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.84%
20) 2-Butanone-d5	6.90	46	51967	41.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.98%
24) Chloroform-d	7.49	84	165896	25.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	8.15	65	89968	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.12	84	360521	26.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.64%
33) 1,2-Dichloropropane-d6	9.12	67	104320	26.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.24%
37) Toluene-d8	10.18	98	330990	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.24%
38) trans-1,3-Dichloropropene-	10.44	79	49434	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.36%
39) 2-Hexanone-d5	10.79	63	43410	43.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.40%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	88874	25.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.64%
61) 1,2-Dichlorobenzene-d4	13.73	152	117984	26.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	71067	25.456	ug/L	100
3) Chloromethane	2.12	50	74222	24.497	ug/L	99
5) Vinyl chloride	2.26	62	79570	24.837	ug/L	99
6) Bromomethane	2.66	94	50129	24.199	ug/L	98
8) Chloroethane	2.81	64	49679	25.468	ug/L	92
9) Trichlorofluoromethane	3.14	101	126663	25.823	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	83023	26.330	ug/L	99
12) 1,1-Dichloroethene	3.89	96	79245	26.655	ug/L	97
13) Acetone	3.96	43	38725	42.181	ug/L	98
14) Carbon disulfide	4.21	76	255293	25.764	ug/L	98
15) Methyl Acetate	4.48	43	50785	21.985	ug/L	100
16) Methylene chloride	4.73	84	90680	20.789	ug/L	99
17) Methyl tert-butyl Ether	5.23	73	206357	24.487	ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	85490	25.539	ug/L	94
19) 1,1-Dichloroethane	6.03	63	141297	25.144	ug/L	99
21) 2-Butanone	7.00	43	65345	40.309	ug/L	97
22) cis-1,2-Dichloroethene	7.00	96	92776	26.007	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	44821	25.169	ug/L	96
25) Chloroform	7.51	83	146385	25.732	ug/L	99
27) 1,2-Dichloroethane	8.25	62	94706	24.612	ug/L	96
30) Cyclohexane	7.80	56	135749	27.227	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	130857	26.526	ug/L	99
32) Carbon tetrachloride	7.91	117	119110	27.200	ug/L	98
34) Benzene	8.17	78	349416	26.393	ug/L	100
35) Trichloroethene	8.95	95	93412	25.700	ug/L	99
36) Methylcyclohexane	9.19	83	152624	27.400	ug/L	99
40) 1,2-Dichloropropane	9.22	63	85179	25.654	ug/L	100
41) Bromodichloromethane	9.50	83	109559	25.970	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	136442	26.107	ug/L	98
43) 4-Methyl-2-pentanone	10.08	43	141592	45.398	ug/L	99
44) Toluene	10.25	91	375262	26.871	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	125350	26.021	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	72575	25.352	ug/L	98
47) Tetrachloroethene	10.72	164	75191	26.563	ug/L	97
49) 2-Hexanone	10.84	43	99881	45.569	ug/L	99
50) Dibromochloromethane	10.99	129	85836	25.621	ug/L	98
51) 1,2-Dibromoethane	11.09	107	68508	24.732	ug/L	100
52) Chlorobenzene	11.52	112	239955	26.109	ug/L	97
53) Ethylbenzene	11.59	91	411228	26.982	ug/L	97
54) m,p-Xylene	11.70	106	158415	26.943	ug/L	96
55) o-xylene	12.03	106	153386	27.192	ug/L	99
56) Styrene	12.04	104	262641	27.205	ug/L	96
57) Isopropylbenzene	12.33	105	407997	27.665	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	78660	25.629	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	66642	24.286	ug/L	99
62) Bromoform	12.21	173	57204	24.612	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	194125	26.513	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	192752	25.895	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	176609	26.291	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.36	75	14365	22.956	ug/L	99
67) 1,3,5-Trichlorobenzene	14.51	180	135688	26.212	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	114827	26.002	ug/L	98
69) Naphthalene	15.24	128	227049	24.514	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	101455	25.151	ug/L	99

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

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