

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120420\
 Data File : VY003662.D
 Acq On : 04 Dec 2020 13:36
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV82

Quant Time: Dec 05 02:12:57 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	252541	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	242112	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	129635	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	95697	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.20%
7) Chloroethane-d5	2.77	69	69439	25.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.08%
10) 1,1-Dichloroethene-d2	3.86	63	177003	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.32%
20) 2-Butanone-d5	6.90	46	65163	51.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.36%
24) Chloroform-d	7.49	84	175114	26.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	8.15	65	99228	27.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.56%
29) Benzene-d6	8.12	84	375917	26.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.28%
33) 1,2-Dichloropropane-d6	9.12	67	112594	27.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.60%
37) Toluene-d8	10.18	98	347320	27.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.56%
38) trans-1,3-Dichloropropene-	10.44	79	54550	27.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.08%
39) 2-Hexanone-d5	10.79	63	53424	51.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.82%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	98709	26.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	131797	27.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	75082	26.455	ug/L	100
3) Chloromethane	2.12	50	80734	26.212	ug/L	100
5) Vinyl chloride	2.26	62	85070	26.121	ug/L	98
6) Bromomethane	2.66	94	52292	24.832	ug/L	96
8) Chloroethane	2.80	64	51543	25.993	ug/L	93
9) Trichlorofluoromethane	3.14	101	128383	25.746	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	83230	25.965	ug/L	99
12) 1,1-Dichloroethene	3.89	96	78946	26.121	ug/L	93
13) Acetone	3.96	43	44759	47.958	ug/L	99
14) Carbon disulfide	4.20	76	258666	25.678	ug/L	98
15) Methyl Acetate	4.49	43	59809	25.468	ug/L	100
16) Methylene chloride	4.73	84	96996	21.874	ug/L	97
17) Methyl tert-butyl Ether	5.23	73	229529	26.793	ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	87683	25.767	ug/L	97
19) 1,1-Dichloroethane	6.03	63	148157	25.934	ug/L	98
21) 2-Butanone	7.00	43	79583	48.290	ug/L	98
22) cis-1,2-Dichloroethene	7.00	96	96212	26.530	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	47115	26.025	ug/L	97
25) Chloroform	7.51	83	150948	26.102	ug/L	100
27) 1,2-Dichloroethane	8.25	62	102419	26.182	ug/L	100
30) Cyclohexane	7.79	56	138984	26.645	ug/L	100
31) 1,1,1-Trichloroethane	7.72	97	132338	25.642	ug/L	100
32) Carbon tetrachloride	7.91	117	118615	25.891	ug/L	98
34) Benzene	8.17	78	358643	25.894	ug/L	100
35) Trichloroethene	8.94	95	97098	25.535	ug/L	99
36) Methylcyclohexane	9.18	83	157382	27.008	ug/L	99
40) 1,2-Dichloropropane	9.22	63	91124	26.233	ug/L	100
41) Bromodichloromethane	9.50	83	114039	25.839	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	146202	26.740	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	172461	52.856	ug/L	99
44) Toluene	10.25	91	383941	26.279	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	134203	26.629	ug/L	97
46) 1,1,2-Trichloroethane	10.65	97	78892	26.343	ug/L	97
47) Tetrachloroethene	10.72	164	76832	25.945	ug/L	96
49) 2-Hexanone	10.83	43	122245	53.311	ug/L	99
50) Dibromochloromethane	10.98	129	91661	26.153	ug/L	97
51) 1,2-Dibromoethane	11.09	107	76410	26.367	ug/L	99
52) Chlorobenzene	11.51	112	250460	26.049	ug/L	99
53) Ethylbenzene	11.59	91	417139	26.162	ug/L	98
54) m,p-Xylene	11.70	106	164348	26.719	ug/L	99
55) o-xylene	12.03	106	156491	26.518	ug/L	98
56) Styrene	12.04	104	272496	26.980	ug/L	99
57) Isopropylbenzene	12.33	105	416483	26.995	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	82778	25.781	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	75739	26.384	ug/L	98
62) Bromoform	12.21	173	62868	25.690	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	202072	26.212	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	204325	26.072	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	190425	26.924	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	17149	26.028	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	143490	26.327	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	126184	27.139	ug/L	99
69) Naphthalene	15.23	128	269404	27.626	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	113549	26.735	ug/L	99

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

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