

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003538.D
 Acq On : 18 Nov 2020 19:56
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV80

Quant Time: Nov 19 06:50:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 06:49:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	248446	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	227392	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	112919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	58500	28.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.44%
7) Chloroethane-d5	2.77	69	56137	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.24%
10) 1,1-Dichloroethene-d2	3.86	63	153991	23.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.76%
20) 2-Butanone-d5	6.91	46	69394	53.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.62%
24) Chloroform-d	7.49	84	156310	25.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	8.15	65	87655	25.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.36%
29) Benzene-d6	8.11	84	317735	24.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.36%
33) 1,2-Dichloropropane-d6	9.13	67	96115	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.00%
37) Toluene-d8	10.18	98	292569	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.84%
38) trans-1,3-Dichloropropene-	10.44	79	48594	25.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.84%
39) 2-Hexanone-d5	10.79	63	51695	54.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.14%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	84960	26.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	90291	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.92	85	37246	25.973	ug/L	85
3) Chloromethane	2.11	50	71835	25.476	ug/L	98
5) Vinyl chloride	2.26	62	84596	32.153	ug/L	97
6) Bromomethane	2.67	94	62431	25.533	ug/L	99
8) Chloroethane	2.81	64	54569	25.447	ug/L	94
9) Trichlorofluoromethane	3.13	101	78426	25.666	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	80305	25.514	ug/L	98
12) 1,1-Dichloroethene	3.88	96	85909	25.383	ug/L	97
13) Acetone	3.97	43	44843	45.313	ug/L	98
14) Carbon disulfide	4.20	76	283304	25.953	ug/L	99
15) Methyl Acetate	4.49	43	59867	25.109	ug/L	97
16) Methylene chloride	4.72	84	99397	20.702	ug/L	97
17) Methyl tert-butyl Ether	5.23	73	141534	26.334	ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	90928	25.024	ug/L	94
19) 1,1-Dichloroethane	6.03	63	156526	25.194	ug/L	99
21) 2-Butanone	7.00	43	80161	49.928	ug/L	98
22) cis-1,2-Dichloroethene	6.99	96	94524	24.849	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	46603	25.333	ug/L	98
25) Chloroform	7.52	83	153126	25.214	ug/L	100
27) 1,2-Dichloroethane	8.24	62	104803	25.458	ug/L	96
30) Cyclohexane	7.79	56	136311	25.600	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	120400	25.540	ug/L	98
32) Carbon tetrachloride	7.91	117	112072	25.329	ug/L	97
34) Benzene	8.17	78	358229	24.829	ug/L	100
35) Trichloroethene	8.94	95	88636	24.621	ug/L	99
36) Methylcyclohexane	9.19	83	134806	24.523	ug/L	96
40) 1,2-Dichloropropane	9.22	63	88464	24.672	ug/L	100
41) Bromodichloromethane	9.50	83	115810	25.346	ug/L	94
42) cis-1,3-Dichloropropene	9.93	75	145245	25.917	ug/L	95
43) 4-Methyl-2-pentanone	10.07	43	153109	50.809	ug/L	99
44) Toluene	10.24	91	375670	25.236	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	131793	25.766	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	73366	25.517	ug/L	99
47) Tetrachloroethene	10.72	164	76384	24.354	ug/L	97
49) 2-Hexanone	10.83	43	117248	52.442	ug/L	99
50) Dibromochloromethane	10.99	129	87511	25.910	ug/L	94
51) 1,2-Dibromoethane	11.09	107	72605	25.513	ug/L	95
52) Chlorobenzene	11.52	112	240448	25.161	ug/L	99
53) Ethylbenzene	11.59	91	387526	25.742	ug/L	97
54) m,p-Xylene	11.70	106	150435	25.661	ug/L	100
55) o-xylene	12.03	106	123752	25.196	ug/L	99
56) Styrene	12.04	104	249963	25.972	ug/L	97
57) Isopropylbenzene	12.33	105	271263	25.227	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	85004	26.726	ug/L	100
59) 1,2,3-Trichloropropane	12.63	75	64248	26.061	ug/L	99
62) Bromoform	12.20	173	58728	25.405	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	176558	25.124	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	178133	24.549	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	145280	25.122	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	11978	26.503	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	89612	24.449	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	78982	24.832	ug/L	97
69) Naphthalene	15.23	128	150915	26.743	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	61468	25.362	ug/L	98

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

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