

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003546.D
 Acq On : 19 Nov 2020 13:37
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV81

Quant Time: Nov 20 01:43:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 01:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	249979	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	221696	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	111521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	57804	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.92%
7) Chloroethane-d5	2.77	69	54911	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
10) 1,1-Dichloroethene-d2	3.86	63	150800	22.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.56%
20) 2-Butanone-d5	6.91	46	64611	46.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.02%
24) Chloroform-d	7.49	84	149023	23.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	8.14	65	81161	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.16%
29) Benzene-d6	8.11	84	299004	23.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.60%
33) 1,2-Dichloropropane-d6	9.13	67	89084	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.18	98	271997	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
38) trans-1,3-Dichloropropene-	10.44	79	44523	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.24%
39) 2-Hexanone-d5	10.79	63	46888	47.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.22%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	75265	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.24%
61) 1,2-Dichlorobenzene-d4	13.72	152	82816	23.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.92	85	35346	26.679	ug/L 100
3) Chloromethane	2.12	50	68744	24.652	ug/L 95
5) Vinyl chloride	2.26	62	89040	26.732	ug/L 99
6) Bromomethane	2.66	94	64162	24.818	ug/L 100
8) Chloroethane	2.80	64	56381	24.929	ug/L 97
9) Trichlorofluoromethane	3.13	101	79499	24.901	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	83394	25.191	ug/L 100
12) 1,1-Dichloroethene	3.88	96	89007	25.706	ug/L 84
13) Acetone	3.97	43	44987	45.103	ug/L 97
14) Carbon disulfide	4.20	76	291801	25.438	ug/L 98
15) Methyl Acetate	4.49	43	59293	23.422	ug/L 99
16) Methylene chloride	4.72	84	97400	22.727	ug/L 97
17) Methyl tert-butyl Ether	5.22	73	140221	25.920	ug/L # 90
18) trans-1,2-Dichloroethene	5.22	96	91735	25.140	ug/L 93
19) 1,1-Dichloroethane	6.03	63	156592	25.410	ug/L 98
21) 2-Butanone	7.00	43	76285	45.416	ug/L 98
22) cis-1,2-Dichloroethene	6.99	96	96262	25.684	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	45684	25.173	ug/L	95
25) Chloroform	7.51	83	154976	25.290	ug/L	99
27) 1,2-Dichloroethane	8.24	62	103742	25.061	ug/L	99
30) Cyclohexane	7.79	56	139838	25.942	ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	121149	25.118	ug/L	99
32) Carbon tetrachloride	7.91	117	117158	25.559	ug/L	99
34) Benzene	8.17	78	359825	25.731	ug/L	100
35) Trichloroethene	8.94	95	90417	25.532	ug/L	99
36) Methylcyclohexane	9.19	83	140259	25.336	ug/L	99
40) 1,2-Dichloropropane	9.22	63	86318	25.035	ug/L	100
41) Bromodichloromethane	9.50	83	114400	25.995	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	142909	26.283	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	133772	46.368	ug/L	99
44) Toluene	10.24	91	379334	25.737	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	131144	26.186	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	70997	25.772	ug/L	99
47) Tetrachloroethene	10.72	164	78230	25.411	ug/L	97
49) 2-Hexanone	10.83	43	111622	48.982	ug/L	99
50) Dibromochloromethane	10.99	129	85392	25.707	ug/L	95
51) 1,2-Dibromoethane	11.09	107	71480	26.034	ug/L	98
52) Chlorobenzene	11.52	112	238965	25.384	ug/L	100
53) Ethylbenzene	11.59	91	379230	25.047	ug/L	100
54) m,p-Xylene	11.70	106	146234	25.092	ug/L	98
55) o-xylene	12.03	106	119965	24.659	ug/L	96
56) Styrene	12.04	104	246864	25.914	ug/L	98
57) Isopropylbenzene	12.33	105	260858	23.691	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	77581	23.870	ug/L #	98
59) 1,2,3-Trichloropropane	12.63	75	59602	23.558	ug/L	98
62) Bromoform	12.20	173	56792	25.090	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	175513	24.940	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	176421	24.346	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	139198	24.017	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	10778	21.847	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	91359	24.471	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	79488	24.716	ug/L	100
69) Naphthalene	15.23	128	137443	24.229	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	58329	23.993	ug/L	99

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

