

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003748.D
 Acq On : 14 Dec 2020 14:19
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV99

Quant Time: Dec 15 03:23:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:46:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	350972	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	326247	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	171572	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	118485	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.96%
7) Chloroethane-d5	2.77	69	87196	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
10) 1,1-Dichloroethene-d2	3.86	63	243789	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.88%
20) 2-Butanone-d5	6.90	46	96654	46.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.62%
24) Chloroform-d	7.49	84	224157	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.15	65	123378	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.76%
29) Benzene-d6	8.12	84	465379	24.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.56%
33) 1,2-Dichloropropane-d6	9.12	67	143194	24.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.40%
37) Toluene-d8	10.18	98	422129	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.80%
38) trans-1,3-Dichloropropene-	10.44	79	72084	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.60%
39) 2-Hexanone-d5	10.79	63	77226	47.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.26%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	125530	24.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	152179	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	143138	23.897	ug/L 99
3) Chloromethane	2.12	50	131832	24.093	ug/L 99
5) Vinyl chloride	2.26	62	134917	24.544	ug/L 98
6) Bromomethane	2.66	94	84785	25.228	ug/L 100
8) Chloroethane	2.80	64	81084	25.245	ug/L 98
9) Trichlorofluoromethane	3.14	101	204977	24.408	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	125334	24.561	ug/L 99
12) 1,1-Dichloroethene	3.89	96	120354	24.811	ug/L 82
13) Acetone	3.96	43	66084	45.920	ug/L 98
14) Carbon disulfide	4.20	76	428922	25.129	ug/L 99
15) Methyl Acetate	4.49	43	85887	22.913	ug/L 98
16) Methylene chloride	4.73	84	144773	22.977	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	342639	25.175	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	132048	25.129	ug/L 97
19) 1,1-Dichloroethane	6.03	63	230389	25.351	ug/L 99
21) 2-Butanone	7.00	43	114303	45.695	ug/L 99
22) cis-1,2-Dichloroethene	7.00	96	141773	25.443	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	66782	24.932	ug/L	93
25) Chloroform	7.51	83	223536	25.012	ug/L	99
27) 1,2-Dichloroethane	8.25	62	157162	25.374	ug/L	99
30) Cyclohexane	7.80	56	227404	25.393	ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	200959	25.189	ug/L	99
32) Carbon tetrachloride	7.90	117	178342	25.316	ug/L	99
34) Benzene	8.17	78	531386	25.599	ug/L	100
35) Trichloroethene	8.95	95	142171	25.517	ug/L	100
36) Methylcyclohexane	9.19	83	239123	25.336	ug/L	99
40) 1,2-Dichloropropane	9.22	63	136654	25.400	ug/L	100
41) Bromodichloromethane	9.50	83	171270	25.427	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	220349	25.775	ug/L	96
43) 4-Methyl-2-pentanone	10.08	43	248933	47.717	ug/L	100
44) Toluene	10.25	91	568624	25.789	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	200549	25.637	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	110665	25.399	ug/L	98
47) Tetrachloroethene	10.72	164	109117	24.630	ug/L	97
49) 2-Hexanone	10.83	43	173314	48.411	ug/L	99
50) Dibromochloromethane	10.98	129	130700	25.606	ug/L	99
51) 1,2-Dibromoethane	11.09	107	110222	25.534	ug/L	100
52) Chlorobenzene	11.52	112	359027	25.441	ug/L	98
53) Ethylbenzene	11.59	91	622948	25.858	ug/L	99
54) m,p-Xylene	11.70	106	239466	25.770	ug/L	98
55) o-xylene	12.03	106	228046	26.152	ug/L	98
56) Styrene	12.04	104	393192	26.412	ug/L	99
57) Isopropylbenzene	12.33	105	603237	25.907	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	123299	24.222	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	104660	24.371	ug/L	100
62) Bromoform	12.21	173	86028	24.352	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	279309	25.178	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	281326	24.951	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	259775	25.376	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	22820	22.673	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	194911	25.236	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	165853	25.176	ug/L	100
69) Naphthalene	15.23	128	375522	24.984	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	148817	24.838	ug/L	99

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

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