

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000660.D
 Acq On : 12 Nov 2019 17:31
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:07:25 PM

Quant Time: Nov 13 03:38:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 03:17:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	368662	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	335057	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	163831	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	127204	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	2.77	69	113134	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.80%
10) 1,1-Dichloroethene-d2	3.86	63	229540	23.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.48%
20) 2-Butanone-d5	6.90	46	89908m	41.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.70%
24) Chloroform-d	7.49	84	230203	23.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	8.15	65	129018	23.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.00%
29) Benzene-d6	8.12	84	472225	24.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.08%
33) 1,2-Dichloropropane-d6	9.13	67	143897	23.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.40%
37) Toluene-d8	10.18	98	426990	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.96%
38) trans-1,3-Dichloropropene-	10.44	79	66402	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.36%
39) 2-Hexanone-d5	10.79	63	73503	44.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.20%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	134500	22.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	149726	22.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	116374	23.887	ug/L 100
3) Chloromethane	2.12	50	148203	24.268	ug/L 96
5) Vinyl chloride	2.26	62	149490	24.527	ug/L 100
6) Bromomethane	2.66	94	84462	25.377	ug/L 98
8) Chloroethane	2.80	64	94095	24.620	ug/L 97
9) Trichlorofluoromethane	3.13	101	220204	25.509	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	128217	26.185	ug/L 98
12) 1,1-Dichloroethene	3.88	96	119944	25.095	ug/L 89
13) Acetone	3.95	43	60437	38.451	ug/L 100
14) Carbon disulfide	4.20	76	382525	25.938	ug/L 99
15) Methyl Acetate	4.48	43	77219	21.445	ug/L # 76
16) Methylene chloride	4.72	84	137993	22.675	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	345199	23.738	ug/L 100
18) trans-1,2-Dichloroethene	5.23	96	134593	25.215	ug/L 98
19) 1,1-Dichloroethane	6.02	63	237235	25.254	ug/L 95
21) 2-Butanone	6.99	43	110321	39.841	ug/L 99
22) cis-1,2-Dichloroethene	7.00	96	147138	24.921	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	62333	24.178	ug/L	91
25) Chloroform	7.52	83	250866	24.777	ug/L	99
27) 1,2-Dichloroethane	8.24	62	165833	24.501	ug/L	99
30) Cyclohexane	7.79	56	227040	24.832	ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	211082	25.572	ug/L	99
32) Carbon tetrachloride	7.91	117	191198	26.575	ug/L	99
34) Benzene	8.17	78	551831	25.191	ug/L	100
35) Trichloroethene	8.94	95	145502	25.332	ug/L	97
36) Methylcyclohexane	9.19	83	247423	25.168	ug/L	99
40) 1,2-Dichloropropane	9.22	63	138139	24.884	ug/L	100
41) Bromodichloromethane	9.50	83	182314	25.524	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	228381	25.537	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	235057	44.273	ug/L	99
44) Toluene	10.25	91	601292	25.392	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	191729	24.955	ug/L	91
46) 1,1,2-Trichloroethane	10.65	97	109291	24.002	ug/L	97
47) Tetrachloroethene	10.72	164	112362	26.198	ug/L	97
49) 2-Hexanone	10.83	43	181545	43.902	ug/L	99
50) Dibromochloromethane	10.99	129	127776	24.836	ug/L	97
51) 1,2-Dibromoethane	11.09	107	109364	24.681	ug/L	99
52) Chlorobenzene	11.52	112	378169	25.164	ug/L	100
53) Ethylbenzene	11.60	91	680610	25.405	ug/L	97
54) m,p-Xylene	11.70	106	259794	25.624	ug/L	97
55) o-xylene	12.03	106	247761	24.897	ug/L	93
56) Styrene	12.05	104	427543	25.858	ug/L	95
57) Isopropylbenzene	12.33	105	676401	26.125	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	138168	24.320	ug/L	99
59) 1,2,3-Trichloropropane	12.64	75	106579	23.070	ug/L	99
62) Bromoform	12.21	173	76067	24.446	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	290164	24.832	ug/L	97
64) 1,4-Dichlorobenzene	13.45	146	293162	25.098	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	271625	25.098	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.36	75	22573	21.952	ug/L	99
67) 1,3,5-Trichlorobenzene	14.50	180	209451	25.709	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	179846	24.701	ug/L	98
69) Naphthalene	15.23	128	417868	23.030	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	163435	24.141	ug/L	99

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

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