

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111319\
 Data File : VY000662.D
 Acq On : 13 Nov 2019 09:58
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02589

Quant Time: Nov 13 13:29:36 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	359213	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	331460	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	160182	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	118631	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
7) Chloroethane-d5	2.77	69	105229	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
10) 1,1-Dichloroethene-d2	3.86	63	215543	23.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.00%
20) 2-Butanone-d5	6.90	46	103008	49.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.42%
24) Chloroform-d	7.49	84	223036	23.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.64%
26) 1,2-Dichloroethane-d4	8.15	65	128852	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.32%
29) Benzene-d6	8.12	84	452665	23.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.08%
33) 1,2-Dichloropropane-d6	9.13	67	142460	23.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.44%
37) Toluene-d8	10.18	98	415087	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.32%
38) trans-1,3-Dichloropropene-	10.44	79	67928	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.56%
39) 2-Hexanone-d5	10.79	63	80364	49.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.58%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	143831	24.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.04%
61) 1,2-Dichlorobenzene-d4	13.72	152	146810	22.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	103586	21.822	ug/L 100
3) Chloromethane	2.12	50	139873	23.506	ug/L 95
5) Vinyl chloride	2.26	62	142817	24.048	ug/L 99
6) Bromomethane	2.66	94	81688	25.189	ug/L 93
8) Chloroethane	2.80	64	88484	23.761	ug/L 96
9) Trichlorofluoromethane	3.13	101	196816	23.399	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	117282	24.582	ug/L 99
12) 1,1-Dichloroethene	3.88	96	111840	24.015	ug/L 95
13) Acetone	3.96	43	69084	45.108	ug/L 99
14) Carbon disulfide	4.20	76	359108	24.990	ug/L 98
15) Methyl Acetate	4.49	43	87601	24.968	ug/L 99
16) Methylene chloride	4.72	84	131442	22.167	ug/L 95
17) Methyl tert-butyl Ether	5.23	73	354092	24.990	ug/L 100
18) trans-1,2-Dichloroethene	5.23	96	128427	24.692	ug/L 98
19) 1,1-Dichloroethane	6.04	63	225957	24.686	ug/L 97
21) 2-Butanone	7.00	43	125246	46.420	ug/L 96
22) cis-1,2-Dichloroethene	7.00	96	144627	25.140	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	62115	24.727	ug/L	92
25) Chloroform	7.52	83	237107	24.034	ug/L	99
27) 1,2-Dichloroethane	8.25	62	166108	25.187	ug/L	99
30) Cyclohexane	7.79	56	220458	24.374	ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	201811	24.714	ug/L	100
32) Carbon tetrachloride	7.91	117	177664	24.962	ug/L	97
34) Benzene	8.17	78	533317	24.610	ug/L	100
35) Trichloroethene	8.94	95	142905	25.150	ug/L	99
36) Methylcyclohexane	9.19	83	240791	24.759	ug/L	98
40) 1,2-Dichloropropane	9.22	63	137284	24.998	ug/L	99
41) Bromodichloromethane	9.50	83	180266	25.511	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	222671	25.169	ug/L	97
43) 4-Methyl-2-pentanone	10.08	43	261638	49.814	ug/L	99
44) Toluene	10.25	91	580355	24.774	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	195634	25.740	ug/L	95
46) 1,1,2-Trichloroethane	10.65	97	111320	24.712	ug/L	98
47) Tetrachloroethene	10.72	164	107450	25.325	ug/L	91
49) 2-Hexanone	10.83	43	204147	49.904	ug/L	100
50) Dibromochloromethane	10.99	129	132512	26.036	ug/L	93
51) 1,2-Dibromoethane	11.09	107	110941	25.308	ug/L	97
52) Chlorobenzene	11.52	112	365281	24.570	ug/L	100
53) Ethylbenzene	11.60	91	664560	25.075	ug/L	98
54) m,p-Xylene	11.70	106	252053	25.131	ug/L	96
55) o-xylene	12.03	106	245484	24.936	ug/L	98
56) Styrene	12.05	104	417086	25.499	ug/L	97
57) Isopropylbenzene	12.33	105	642764	25.095	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	145334	25.859	ug/L	96
59) 1,2,3-Trichloropropane	12.64	75	117804	25.776	ug/L	97
62) Bromoform	12.21	173	81268	26.713	ug/L	98
63) 1,3-Dichlorobenzene	13.37	146	282465	24.723	ug/L	97
64) 1,4-Dichlorobenzene	13.45	146	283347	24.810	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	261381	24.702	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.36	75	26192	26.052	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	197288	24.768	ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	175494	24.653	ug/L	98
69) Naphthalene	15.23	128	427924	24.121	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	160994	24.322	ug/L	98

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

