

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003555.D
 Acq On : 19 Nov 2020 18:41
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02585

Quant Time: Nov 20 01:47:35 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	227337	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	202408	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	102097	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	50340	20.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.36%
7) Chloroethane-d5	2.77	69	47903	20.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.44%
10) 1,1-Dichloroethene-d2	3.86	63	131793	21.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.12%
20) 2-Butanone-d5	6.91	46	60160	47.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.24%
24) Chloroform-d	7.49	84	134975	23.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.44%
26) 1,2-Dichloroethane-d4	8.14	65	75442	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.20%
29) Benzene-d6	8.11	84	272956	23.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.60%
33) 1,2-Dichloropropane-d6	9.13	67	81912	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.76%
37) Toluene-d8	10.18	98	242297	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.72%
38) trans-1,3-Dichloropropene-	10.44	79	40324	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.48%
39) 2-Hexanone-d5	10.79	63	45291	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	72526	24.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.32%
61) 1,2-Dichlorobenzene-d4	13.72	152	77425	23.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.92	85	31559	26.193	ug/L	98
3) Chloromethane	2.12	50	60924	24.023	ug/L	100
5) Vinyl chloride	2.26	62	79771	26.335	ug/L	94
6) Bromomethane	2.67	94	58414	24.845	ug/L	97
8) Chloroethane	2.80	64	53292	25.910	ug/L	100
9) Trichlorofluoromethane	3.13	101	67615	23.288	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	75909	25.213	ug/L	98
12) 1,1-Dichloroethene	3.88	96	80683	25.623	ug/L	96
13) Acetone	3.98	43	40120	44.230	ug/L	98
14) Carbon disulfide	4.20	76	262245	25.139	ug/L	99
15) Methyl Acetate	4.49	43	55474	24.095	ug/L	99
16) Methylene chloride	4.72	84	91652	23.516	ug/L	99
17) Methyl tert-butyl Ether	5.23	73	131312	26.691	ug/L #	90
18) trans-1,2-Dichloroethene	5.22	96	84254	25.389	ug/L	97
19) 1,1-Dichloroethane	6.03	63	145578	25.976	ug/L	100
21) 2-Butanone	7.00	43	71638	46.897	ug/L	100
22) cis-1,2-Dichloroethene	6.99	96	89684	26.312	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	42985	26.044	ug/L	94
25) Chloroform	7.51	83	144650	25.956	ug/L	99
27) 1,2-Dichloroethane	8.24	62	96063	25.518	ug/L	100
30) Cyclohexane	7.79	56	125828	25.567	ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	110878	25.179	ug/L	98
32) Carbon tetrachloride	7.91	117	102958	24.601	ug/L	97
34) Benzene	8.16	78	333151	26.093	ug/L	100
35) Trichloroethene	8.94	95	83223	25.740	ug/L	99
36) Methylcyclohexane	9.18	83	124740	24.680	ug/L	99
40) 1,2-Dichloropropane	9.22	63	82650	26.256	ug/L	100
41) Bromodichloromethane	9.50	83	107689	26.801	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	132174	26.625	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	127737	48.495	ug/L	98
44) Toluene	10.24	91	347589	25.831	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	122096	26.703	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	67743	26.934	ug/L	98
47) Tetrachloroethene	10.72	164	72091	25.649	ug/L	96
49) 2-Hexanone	10.83	43	108632	52.213	ug/L	97
50) Dibromochloromethane	10.99	129	80625	26.585	ug/L	99
51) 1,2-Dibromoethane	11.09	107	67436	26.902	ug/L	97
52) Chlorobenzene	11.52	112	224170	26.082	ug/L	99
53) Ethylbenzene	11.59	91	351605	25.436	ug/L	98
54) m,p-Xylene	11.70	106	134016	25.187	ug/L	96
55) o-xylene	12.03	106	111954	25.205	ug/L	96
56) Styrene	12.04	104	232868	26.774	ug/L	97
57) Isopropylbenzene	12.33	105	237019	23.578	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	76099	25.646	ug/L	98
59) 1,2,3-Trichloropropane	12.63	75	57878	25.057	ug/L	99
62) Bromoform	12.20	173	55349	26.709	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	164225	25.490	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	169195	25.504	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	134918	25.427	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	10623	23.520	ug/L	95
67) 1,3,5-Trichlorobenzene	14.50	180	84846	24.825	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	74689	25.368	ug/L	99
69) Naphthalene	15.23	128	137705	26.516	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	57517	25.843	ug/L	100

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

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