

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121920\
 Data File : VY003824.D
 Acq On : 19 Dec 2020 10:40
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02568

Quant Time: Dec 21 01:40:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 00:29:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	257250	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	240813	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	123360	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	86223	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.24%
7) Chloroethane-d5	2.77	69	65405	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
10) 1,1-Dichloroethene-d2	3.87	63	164977	22.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.48%
20) 2-Butanone-d5	6.90	46	59142	38.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.32%
24) Chloroform-d	7.49	84	161068	24.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	8.15	65	86754	22.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.84%
29) Benzene-d6	8.12	84	342700	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
33) 1,2-Dichloropropane-d6	9.13	67	99721	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.92%
37) Toluene-d8	10.18	98	315884	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
38) trans-1,3-Dichloropropene-	10.44	79	49077	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
39) 2-Hexanone-d5	10.79	63	51098	42.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.38%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	90096	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.96%
61) 1,2-Dichlorobenzene-d4	13.72	152	115012	25.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	115578	26.326	ug/L 98
3) Chloromethane	2.12	50	106368	26.522	ug/L 100
5) Vinyl chloride	2.26	62	113105	28.073	ug/L 98
6) Bromomethane	2.67	94	67116	27.247	ug/L 99
8) Chloroethane	2.81	64	64407	27.358	ug/L 97
9) Trichlorofluoromethane	3.14	101	155226	25.217	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	95658	25.575	ug/L 96
12) 1,1-Dichloroethene	3.89	96	92647	26.057	ug/L # 78
13) Acetone	3.97	43	38114	36.133	ug/L 96
14) Carbon disulfide	4.21	76	322429	25.772	ug/L 99
15) Methyl Acetate	4.50	43	52339	19.050	ug/L 94
16) Methylene chloride	4.73	84	103641	22.442	ug/L 91
17) Methyl tert-butyl Ether	5.24	73	241002	24.159	ug/L 98
18) trans-1,2-Dichloroethene	5.23	96	100411	26.070	ug/L 92
19) 1,1-Dichloroethane	6.03	63	159311	23.916	ug/L 99
21) 2-Butanone	7.00	43	66838	36.454	ug/L 93
22) cis-1,2-Dichloroethene	7.00	96	108841	26.649	ug/L 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	51743	26.355	ug/L	90
25) Chloroform	7.51	83	167303	25.540	ug/L	99
27) 1,2-Dichloroethane	8.25	62	109795	24.185	ug/L	98
30) Cyclohexane	7.79	56	160734	24.316	ug/L	92
31) 1,1,1-Trichloroethane	7.71	97	153624	26.088	ug/L	99
32) Carbon tetrachloride	7.91	117	140530	27.026	ug/L	97
34) Benzene	8.17	78	404518	26.401	ug/L	100
35) Trichloroethene	8.94	95	105405	25.630	ug/L	97
36) Methylcyclohexane	9.19	83	181328	26.029	ug/L	96
40) 1,2-Dichloropropane	9.22	63	95289	23.995	ug/L	99
41) Bromodichloromethane	9.50	83	125335	25.209	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	157001	24.880	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	148952	38.682	ug/L #	95
44) Toluene	10.25	91	436898	26.845	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	144999	25.111	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	81127	25.225	ug/L	96
47) Tetrachloroethene	10.72	164	89154	27.263	ug/L	97
49) 2-Hexanone	10.83	43	105138	39.787	ug/L	95
50) Dibromochloromethane	10.98	129	98302	26.091	ug/L	98
51) 1,2-Dibromoethane	11.09	107	78669	24.690	ug/L	98
52) Chlorobenzene	11.52	112	279115	26.795	ug/L	94
53) Ethylbenzene	11.59	91	473455	26.625	ug/L	99
54) m,p-Xylene	11.70	106	183844	26.803	ug/L	99
55) o-xylene	12.03	106	176087	27.358	ug/L	95
56) Styrene	12.04	104	301765	27.462	ug/L	96
57) Isopropylbenzene	12.33	105	466311	27.131	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	89493	23.818	ug/L	93
59) 1,2,3-Trichloropropane	12.64	75	72009	22.717	ug/L	99
62) Bromoform	12.21	173	63668	25.067	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	218427	27.385	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	215391	26.569	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	194712	26.454	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	15410	21.294	ug/L	84
67) 1,3,5-Trichlorobenzene	14.50	180	151547	27.290	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	126676	26.745	ug/L	99
69) Naphthalene	15.23	128	268137	24.811	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	111313	25.840	ug/L	98

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

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