

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003811.D
 Acq On : 18 Dec 2020 10:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

Quant Time: Dec 19 00:11:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 16 09:00:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	285239	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	263877	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	135565	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	87530	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
7) Chloroethane-d5	2.77	69	65225	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.88%
10) 1,1-Dichloroethene-d2	3.86	63	160351	19.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.44%
20) 2-Butanone-d5	6.90	46	61053	35.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.98%
24) Chloroform-d	7.49	84	156934	21.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.72%
26) 1,2-Dichloroethane-d4	8.15	65	85473	20.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.64%
29) Benzene-d6	8.12	84	338142	22.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.56%
33) 1,2-Dichloropropane-d6	9.12	67	98355	20.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.72%
37) Toluene-d8	10.18	98	308652	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.32%
38) trans-1,3-Dichloropropene-	10.44	79	49023	21.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.60%
39) 2-Hexanone-d5	10.79	63	52006	39.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.30%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	89455	21.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.08%
61) 1,2-Dichlorobenzene-d4	13.72	152	112177	23.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	107799	22.144	ug/L	99
3) Chloromethane	2.12	50	105171	23.650	ug/L	99
5) Vinyl chloride	2.26	62	104916	23.485	ug/L	98
6) Bromomethane	2.66	94	63160	23.125	ug/L	100
8) Chloroethane	2.81	64	62103	23.791	ug/L	94
9) Trichlorofluoromethane	3.14	101	144198	21.127	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	90851	21.906	ug/L	98
12) 1,1-Dichloroethene	3.89	96	88876	22.544	ug/L	80
13) Acetone	3.97	43	39649	33.900	ug/L	95
14) Carbon disulfide	4.21	76	309224	22.292	ug/L	99
15) Methyl Acetate	4.49	43	52493	17.231	ug/L	93
16) Methylene chloride	4.73	84	99684	19.467	ug/L	92
17) Methyl tert-butyl Ether	5.23	73	232379	21.008	ug/L	97
18) trans-1,2-Dichloroethene	5.23	96	96945	22.700	ug/L	92
19) 1,1-Dichloroethane	6.03	63	154976	20.983	ug/L	98
21) 2-Butanone	7.00	43	67607	33.255	ug/L	92
22) cis-1,2-Dichloroethene	7.00	96	102916	22.726	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	49238	22.618	ug/L	91
25) Chloroform	7.51	83	157620	21.701	ug/L	100
27) 1,2-Dichloroethane	8.25	62	105773	21.013	ug/L	99
30) Cyclohexane	7.80	56	151472	20.912	ug/L	93
31) 1,1,1-Trichloroethane	7.71	97	142926	22.149	ug/L	98
32) Carbon tetrachloride	7.91	117	131392	23.060	ug/L	100
34) Benzene	8.17	78	385330	22.951	ug/L	100
35) Trichloroethene	8.94	95	100724	22.351	ug/L	96
36) Methylcyclohexane	9.19	83	170200	22.296	ug/L	95
40) 1,2-Dichloropropane	9.22	63	92669	21.295	ug/L	99
41) Bromodichloromethane	9.50	83	117398	21.548	ug/L	95
42) cis-1,3-Dichloropropene	9.93	75	151918	21.971	ug/L	100
43) 4-Methyl-2-pentanone	10.08	43	148963	35.303	ug/L	95
44) Toluene	10.25	91	415136	23.278	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	137524	21.735	ug/L	98
46) 1,1,2-Trichloroethane	10.65	97	79283	22.497	ug/L	99
47) Tetrachloroethene	10.72	164	84795	23.664	ug/L	98
49) 2-Hexanone	10.83	43	107299	37.056	ug/L	94
50) Dibromochloromethane	10.98	129	95053	23.024	ug/L	97
51) 1,2-Dibromoethane	11.09	107	77874	22.304	ug/L	94
52) Chlorobenzene	11.51	112	264772	23.197	ug/L	97
53) Ethylbenzene	11.59	91	444590	22.817	ug/L	98
54) m,p-Xylene	11.70	106	178079	23.693	ug/L	95
55) o-xylene	12.03	106	165770	23.504	ug/L	97
56) Styrene	12.04	104	287659	23.890	ug/L	95
57) Isopropylbenzene	12.33	105	436956	23.201	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	86928	21.113	ug/L	96
59) 1,2,3-Trichloropropane	12.64	75	70982	20.436	ug/L	99
62) Bromoform	12.21	173	61934	22.189	ug/L	97
63) 1,3-Dichlorobenzene	13.37	146	200996	22.931	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	204761	22.984	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	188441	23.297	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	15136	19.033	ug/L	95
67) 1,3,5-Trichlorobenzene	14.50	180	142905	23.417	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	118334	22.734	ug/L	99
69) Naphthalene	15.23	128	257332	21.668	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	104227	22.016	ug/L	98

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

