

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122320\
 Data File : VY003843.D
 Acq On : 23 Dec 2020 18:49
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV84

Quant Time: Dec 24 07:36:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 17:23:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	248234	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	236578	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	129095	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	87075	21.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.40%
7) Chloroethane-d5	2.77	69	48239	19.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.96%
10) 1,1-Dichloroethene-d2	3.86	63	153720	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.12%
20) 2-Butanone-d5	6.89	46	63902	55.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.84%
24) Chloroform-d	7.48	84	164715	26.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.88%
26) 1,2-Dichloroethane-d4	8.15	65	92229	24.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.68%
29) Benzene-d6	8.11	84	346959	26.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.20%
33) 1,2-Dichloropropane-d6	9.12	67	97740	26.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.48%
37) Toluene-d8	10.18	98	330933	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.24%
38) trans-1,3-Dichloropropene-	10.43	79	53161	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.36%
39) 2-Hexanone-d5	10.79	63	55057	52.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.42%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	99112	26.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.92%
61) 1,2-Dichlorobenzene-d4	13.72	152	131261	25.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	99588	21.958	ug/L	97
3) Chloromethane	2.12	50	99250	23.123	ug/L	99
5) Vinyl chloride	2.25	62	105684	22.992	ug/L	100
6) Bromomethane	2.66	94	52831	21.777	ug/L	99
8) Chloroethane	2.80	64	42130	20.313	ug/L	93
9) Trichlorofluoromethane	3.13	101	129414	22.085	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	84957	25.463	ug/L	100
12) 1,1-Dichloroethene	3.88	96	85704	25.942	ug/L	99
13) Acetone	3.96	43	40383	50.611	ug/L	99
14) Carbon disulfide	4.20	76	279498	26.499	ug/L	100
15) Methyl Acetate	4.48	43	52056	27.795	ug/L #	88
16) Methylene chloride	4.73	84	99024	23.522	ug/L	98
17) Methyl tert-butyl Ether	5.23	73	236340	26.791	ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	94160	26.437	ug/L	94
19) 1,1-Dichloroethane	6.03	63	144565	26.919	ug/L	99
21) 2-Butanone	6.99	43	71383	56.537	ug/L	99
22) cis-1,2-Dichloroethene	7.00	96	102614	26.947	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	52394	27.087	ug/L	93
25) Chloroform	7.51	83	156118	26.577	ug/L	100
27) 1,2-Dichloroethane	8.24	62	108836	25.970	ug/L	99
30) Cyclohexane	7.79	56	133480	27.816	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	141782	25.904	ug/L	99
32) Carbon tetrachloride	7.90	117	131442	25.503	ug/L	99
34) Benzene	8.17	78	371725	27.524	ug/L	100
35) Trichloroethene	8.94	95	98329	26.391	ug/L	99
36) Methylcyclohexane	9.18	83	162582	26.016	ug/L	99
40) 1,2-Dichloropropane	9.22	63	85686	25.793	ug/L	99
41) Bromodichloromethane	9.50	83	116736	25.044	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	150589	27.264	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	153651	57.907	ug/L	99
44) Toluene	10.24	91	413265	26.196	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	139101	25.905	ug/L	98
46) 1,1,2-Trichloroethane	10.64	97	81508	26.024	ug/L	98
47) Tetrachloroethene	10.72	164	85522	24.948	ug/L	98
49) 2-Hexanone	10.83	43	110978	54.042	ug/L	99
50) Dibromochloromethane	10.98	129	100795	26.047	ug/L	98
51) 1,2-Dibromoethane	11.09	107	80736	25.999	ug/L	98
52) Chlorobenzene	11.51	112	272191	25.292	ug/L	98
53) Ethylbenzene	11.59	91	441291	25.395	ug/L	100
54) m,p-Xylene	11.70	106	175307	25.932	ug/L	97
55) o-xylene	12.03	106	172161	25.963	ug/L	98
56) Styrene	12.04	104	291148	25.769	ug/L	94
57) Isopropylbenzene	12.32	105	414235	24.265	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	94556	26.701	ug/L	100
59) 1,2,3-Trichloropropane	12.63	75	75309	25.963	ug/L	100
62) Bromoform	12.20	173	64813	23.539	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	221955	25.621	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	222603	24.955	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	209861	25.791	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	18390	25.977	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	160175	25.187	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	138629	24.978	ug/L	99
69) Naphthalene	15.23	128	321323	26.313	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	126203	25.394	ug/L	99

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

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