

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112320\
 Data File : VY003588.D
 Acq On : 23 Nov 2020 12:36
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV401

Quant Time: Nov 24 07:17:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 23 12:08:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	218012	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205881	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	105861	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	76654	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
7) Chloroethane-d5	2.77	69	62060	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.36%
11) 1,1-Dichloroethene-d2	3.85	63	163398	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.24%
21) 2-Butanone-d5	6.90	46	65307	49.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.26%
24) Chloroform-d	7.48	84	156011	25.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.16%
26) 1,2-Dichloroethane-d4	8.14	65	85128	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.76%
32) Benzene-d6	8.11	84	324287	24.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.04%
36) 1,2-Dichloropropane-d6	9.12	67	96717	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.20%
41) Toluene-d8	10.17	98	297514	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.32%
43) trans-1,3-Dichloropropene-	10.44	79	47942	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.56%
47) 2-Hexanone-d5	10.78	63	51635	51.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.14%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	86434	25.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.52%
66) 1,2-Dichlorobenzene-d4	13.72	152	94763	25.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.92	85	32495	27.880	ug/L	93
3) Chloromethane	2.12	50	59034	26.769	ug/L	94
5) Vinyl chloride	2.26	62	83799	26.972	ug/L	97
6) Bromomethane	2.66	94	58827	25.866	ug/L	95
8) Chloroethane	2.80	64	51844	26.693	ug/L	96
9) Trichlorofluoromethane	3.13	101	57724	25.448	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	78281	26.308	ug/L	93
12) 1,1-Dichloroethene	3.88	96	83737	26.459	ug/L	87
13) Acetone	3.97	43	40559	46.185	ug/L	72
14) Carbon disulfide	4.20	76	266947	26.537	ug/L	100
15) Methyl Acetate	4.49	43	59669	25.589	ug/L	100
16) Methylene chloride	4.71	84	97704	22.917	ug/L	97
17) trans-1,2-Dichloroethene	5.22	96	88711	26.466	ug/L	97
18) Methyl tert-butyl Ether	5.22	73	134121	26.900	ug/L	100
19) 1,1-Dichloroethane	6.02	63	152718	26.790	ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	93569	26.768	ug/L	98
22) 2-Butanone	7.00	43	74690	50.107	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.33	128	43938	26.182	ug/L	98
25) Chloroform	7.51	83	150610	26.612	ug/L	100
27) 1,2-Dichloroethane	8.24	62	100951	26.491	ug/L	100
29) Cyclohexane	7.78	56	137350	27.164	ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	119339	26.814	ug/L	98
31) Carbon tetrachloride	7.90	117	115296	26.490	ug/L	96
33) Benzene	8.16	78	354843	26.263	ug/L	100
34) Trichloroethene	8.94	95	87035	25.981	ug/L	96
35) Methylcyclohexane	9.18	83	137254	26.095	ug/L	98
37) 1,2-Dichloropropane	9.21	63	89608	26.189	ug/L	100
38) Bromodichloromethane	9.49	83	112769	25.976	ug/L	97
39) cis-1,3-Dichloropropene	9.92	75	141658	26.790	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	152395	53.006	ug/L	100
42) Toluene	10.24	91	381019	26.840	ug/L	99
44) trans-1,3-Dichloropropene	10.46	75	130522	26.621	ug/L	95
45) 1,1,2-Trichloroethane	10.64	97	72499	26.186	ug/L	98
46) Tetrachloroethene	10.72	164	76530	26.069	ug/L	99
48) 2-Hexanone	10.83	43	116712	52.433	ug/L	98
49) Dibromochloromethane	10.98	129	86810	26.746	ug/L	97
50) 1,2-Dibromoethane	11.08	107	71964	26.555	ug/L	98
51) Chlorobenzene	11.51	112	240624	26.640	ug/L	100
52) Ethylbenzene	11.59	91	398637	27.521	ug/L	99
53) m,p-Xylene	11.70	106	152095	27.208	ug/L	96
54) o-Xylene	12.03	106	133359	28.227	ug/L	100
55) Styrene	12.04	104	257901	27.912	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	88698	26.611	ug/L	99
59) Bromoform	12.20	173	59093	26.241	ug/L	98
60) Isopropylbenzene	12.33	105	296248	27.728	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	66509	25.850	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	225640	28.719	ug/L	98
63) 1,2,4-Trimethylbenzene	13.11	105	238633	28.649	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	183292	27.012	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	186777	26.436	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	156332	27.257	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	11994	26.024	ug/L	98
69) 1,3,5-Trichlorobenzene	14.50	180	101915	27.839	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	88362	27.901	ug/L	100
71) Naphthalene	15.23	128	163774	28.628	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	67529	28.214	ug/L	99

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

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