

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY112320\
 Data File : VY003593.D
 Acq On : 23 Nov 2020 15:19
 Operator : SY/MD
 Sample : L4824-06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 07:53:28 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	223082	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	203311	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	105040	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	75317	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.72%
7) Chloroethane-d5	2.77	69	63413	24.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	3.85	63	146243	21.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.68%
21) 2-Butanone-d5	6.90	46	67100	49.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.66%
24) Chloroform-d	7.48	84	152789	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	8.14	65	85477	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
32) Benzene-d6	8.11	84	321052	24.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.28%
36) 1,2-Dichloropropane-d6	9.12	67	96389	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.08%
41) Toluene-d8	10.17	98	282293	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.36%
43) trans-1,3-Dichloropropene-	10.44	79	46343	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.40%
47) 2-Hexanone-d5	10.78	63	51162	51.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.48%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	85170	25.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.32%
66) 1,2-Dichlorobenzene-d4	13.72	152	90760	24.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.92	85	15126m	12.683	ug/L	
3) Chloromethane	2.12	50	31161	13.809	ug/L	94
5) Vinyl chloride	2.26	62	82907	26.079	ug/L	97
6) Bromomethane	2.66	94	34575	14.857	ug/L	98
8) Chloroethane	2.80	64	19018	9.569	ug/L	97
9) Trichlorofluoromethane	3.13	101	23796	10.252	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	65382	21.474	ug/L	96
12) 1,1-Dichloroethene	3.88	96	51389	15.869	ug/L	96
15) Methyl Acetate	4.48	43	57522	24.108	ug/L	100
16) Methylene chloride	4.72	84	79501	18.223	ug/L	98
18) Methyl tert-butyl Ether	5.22	73	209202	41.005	ug/L	99
22) 2-Butanone	6.99	43	150011	98.350	ug/L	98
25) Chloroform	7.50	83	115398	19.927	ug/L	97
29) Cyclohexane	7.78	56	103671	20.762	ug/L	100
33) Benzene	8.16	78	550028	41.224	ug/L	100
34) Trichloroethene	8.94	95	175375	53.014	ug/L	94
42) Toluene	10.24	91	713937	50.928	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.64	97	54150	19.805	ug/L	97
46) Tetrachloroethene	10.72	164	29864	10.301	ug/L	98
51) Chlorobenzene	11.51	112	114582	12.846	ug/L	99
52) Ethylbenzene	11.59	91	367033	25.660	ug/L	98
53) m,p-Xylene	11.70	106	175946	31.873	ug/L	95
54) o-Xylene	12.03	106	121594	26.062	ug/L	97
55) Styrene	12.04	104	99876	10.946	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	39760	12.079	ug/L #	95
59) Bromoform	12.20	173	25902	11.592	ug/L	97
60) Isopropylbenzene	12.33	105	213759	20.164	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	137596	20.436	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	70223	10.017	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	61958	19.717	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	74021	31.168	ug/L	99

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

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