

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112420\
 Data File : VW017469.D
 Acq On : 24 Nov 2020 13:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Manual Integrations
 APPROVED

mmdadoda
 11/26/2020 1:51:16 PM

Quant Time: Nov 25 01:44:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 24 12:56:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	425948	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	372279	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	201567	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	130930	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.48%
7) Chloroethane-d5	2.89	69	103678	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
10) 1,1-Dichloroethene-d2	4.03	63	283462	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.88%
20) 2-Butanone-d5	7.09	46	60411m	51.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
24) Chloroform-d	7.65	84	281329	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	8.31	65	141671	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.44%
29) Benzene-d6	8.27	84	554508	24.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.88%
33) 1,2-Dichloropropane-d6	9.27	67	148831	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.33	98	511446	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.12%
38) trans-1,3-Dichloropropene-	10.58	79	71151	25.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.56%
39) 2-Hexanone-d5	10.93	63	45598	58.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117543	25.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	180117	24.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	95838	23.678	ug/L 96
3) Chloromethane	2.21	50	99093	23.780	ug/L 99
5) Vinyl chloride	2.37	62	130307	25.215	ug/L 98
6) Bromomethane	2.79	94	89675	24.098	ug/L 99
8) Chloroethane	2.93	64	81642	23.514	ug/L 93
9) Trichlorofluoromethane	3.26	101	141567	23.923	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	150080	24.778	ug/L # 69
12) 1,1-Dichloroethene	4.05	96	145167	24.579	ug/L 98
13) Acetone	4.13	43	50867	44.737	ug/L 99
14) Carbon disulfide	4.39	76	411345	24.350	ug/L 100
15) Methyl Acetate	4.67	43	53972	27.270	ug/L 98
16) Methylene chloride	4.92	84	147160	23.011	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	164183	25.845	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	151680	24.983	ug/L 94
19) 1,1-Dichloroethane	6.22	63	252583	24.640	ug/L 96
21) 2-Butanone	7.18	43	74352	54.644	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	160443	25.328	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	73103	25.405	ug/L	98
25) Chloroform	7.68	83	269468	24.901	ug/L	99
27) 1,2-Dichloroethane	8.40	62	164333	25.214	ug/L	99
30) Cyclohexane	7.96	56	230920	26.005	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	228566	25.941	ug/L	100
32) Carbon tetrachloride	8.07	117	223105	26.078	ug/L	97
34) Benzene	8.33	78	579687	25.907	ug/L	100
35) Trichloroethene	9.09	95	161775	26.080	ug/L	98
36) Methylcyclohexane	9.34	83	266001	25.931	ug/L	99
40) 1,2-Dichloropropane	9.37	63	137683	26.197	ug/L	99
41) Bromodichloromethane	9.65	83	190873	26.285	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	219311	26.941	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	135174	55.867	ug/L	98
44) Toluene	10.39	91	624747	25.947	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	192632	27.614	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	105547	26.803	ug/L	98
47) Tetrachloroethene	10.87	164	137419	26.001	ug/L	97
49) 2-Hexanone	10.97	43	99628	58.304	ug/L	94
50) Dibromochloromethane	11.13	129	134889	27.422	ug/L	97
51) 1,2-Dibromoethane	11.24	107	103077	27.312	ug/L	99
52) Chlorobenzene	11.66	112	411314	26.088	ug/L	94
53) Ethylbenzene	11.73	91	715897	26.223	ug/L	99
54) m,p-Xylene	11.84	106	277038	26.598	ug/L	99
55) o-xylene	12.17	106	257329	26.526	ug/L	99
56) Styrene	12.18	104	450698	27.616	ug/L	97
57) Isopropylbenzene	12.46	105	712813	26.751	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	119325	28.153	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	86553	27.667	ug/L	97
62) Bromoform	12.35	173	77646	27.173	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	331104	25.475	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	324910	25.234	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	289602	25.582	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	19050	26.137	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	240960	25.880	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	200985	26.702	ug/L	92
69) Naphthalene	15.36	128	341483	29.382	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	176395	28.096	ug/L	97

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

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