

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092420\
 Data File : VW016635.D
 Acq On : 23 Sep 2020 18:23
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Sep 24 04:43:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 04:34:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	567995	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	512914	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	243874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	98819	17.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.88%
7) Chloroethane-d5	2.90	69	89526	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
10) 1,1-Dichloroethene-d2	4.04	63	259617	21.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.48%
20) 2-Butanone-d5	7.08	46	57857	38.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.20%
24) Chloroform-d	7.66	84	296956	24.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.96%
26) 1,2-Dichloroethane-d4	8.31	65	140869	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.40%
29) Benzene-d6	8.28	84	498868	21.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.76%
33) 1,2-Dichloropropane-d6	9.27	67	145333	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.24%
37) Toluene-d8	10.33	98	461831	20.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.64%
38) trans-1,3-Dichloropropene-	10.58	79	66066	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.08%
39) 2-Hexanone-d5	10.93	63	48171	42.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116598	21.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	188486	24.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	173455	24.720	ug/L	97
3) Chloromethane	2.23	50	129105	25.146	ug/L	99
5) Vinyl chloride	2.37	62	189268	24.981	ug/L	99
6) Bromomethane	2.79	94	138142	24.029	ug/L	100
8) Chloroethane	2.94	64	112406	25.079	ug/L	97
9) Trichlorofluoromethane	3.28	101	182134	23.843	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	196847	26.899	ug/L	97
12) 1,1-Dichloroethene	4.05	96	188067	26.140	ug/L	97
13) Acetone	4.14	43	43229	36.817	ug/L	99
14) Carbon disulfide	4.40	76	536226	24.705	ug/L	99
15) Methyl Acetate	4.68	43	53170	19.886	ug/L	99
16) Methylene chloride	4.93	84	198097	22.613	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	226482	22.983	ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	198027	26.579	ug/L	98
19) 1,1-Dichloroethane	6.23	63	311062	26.401	ug/L	97
21) 2-Butanone	7.18	43	68852	34.468	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	207629	26.858	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	95306	25.359	ug/L	97
25) Chloroform	7.68	83	344479	26.816	ug/L	99
27) 1,2-Dichloroethane	8.40	62	206398	25.041	ug/L	99
30) Cyclohexane	7.96	56	283227	25.269	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	313581	26.177	ug/L	100
32) Carbon tetrachloride	8.07	117	312166	26.823	ug/L	99
34) Benzene	8.33	78	718844	26.148	ug/L	100
35) Trichloroethene	9.10	95	211350	26.572	ug/L	99
36) Methylcyclohexane	9.34	83	349902	25.935	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162614	25.432	ug/L	100
41) Bromodichloromethane	9.65	83	242462	25.589	ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	271870	24.893	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	156664	38.565	ug/L	98
44) Toluene	10.39	91	835715	27.034	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	229401	24.141	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	127139	23.603	ug/L	99
47) Tetrachloroethene	10.87	164	194433	27.071	ug/L	96
49) 2-Hexanone	10.97	43	106325	41.240	ug/L	100
50) Dibromochloromethane	11.13	129	172989	24.598	ug/L	93
51) 1,2-Dibromoethane	11.24	107	125122	23.200	ug/L #	96
52) Chlorobenzene	11.66	112	548273	26.404	ug/L	99
53) Ethylbenzene	11.73	91	944060	26.899	ug/L	98
54) m,p-Xylene	11.84	106	368812	26.837	ug/L	97
55) o-xylene	12.16	106	343083	26.058	ug/L	94
56) Styrene	12.18	104	577894	26.433	ug/L	97
57) Isopropylbenzene	12.46	105	971463	27.003	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	130175	21.611	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	94823	21.135	ug/L	99
62) Bromoform	12.35	173	97103	23.607	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	429008	27.046	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	416402	26.805	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	372298	26.267	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21024	20.693	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	321116	27.680	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	247453	26.368	ug/L	99
69) Naphthalene	15.36	128	380257	22.857	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	202034	25.031	ug/L	96

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

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