

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050520\
 Data File : VW015395.D
 Acq On : 05 May 2020 12:24
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: May 05 16:42:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 05 16:36:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	362601	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	327300	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	157418	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107046	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
7) Chloroethane-d5	2.89	69	112603	25.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.00%
10) 1,1-Dichloroethene-d2	4.01	63	214679	23.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.08%
20) 2-Butanone-d5	7.09	46	45814	37.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.62%
24) Chloroform-d	7.65	84	210447	22.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	8.31	65	114165	22.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.96%
29) Benzene-d6	8.27	84	421916	23.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.24%
33) 1,2-Dichloropropane-d6	9.27	67	126611	23.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.32%
37) Toluene-d8	10.32	98	401913	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.36%
38) trans-1,3-Dichloropropene-	10.58	79	56175	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.96%
39) 2-Hexanone-d5	10.92	63	40009	39.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	87792	21.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	129906	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	67587	21.239	ug/L	97
3) Chloromethane	2.21	50	73917	21.708	ug/L	100
5) Vinyl chloride	2.37	62	127401	24.080	ug/L	99
6) Bromomethane	2.79	94	88157	24.219	ug/L	99
8) Chloroethane	2.93	64	90864	25.695	ug/L	100
9) Trichlorofluoromethane	3.26	101	97324	25.233	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	104314	24.274	ug/L	99
12) 1,1-Dichloroethene	4.04	96	103236	23.737	ug/L	83
13) Acetone	4.15	43	35215	38.377	ug/L	98
14) Carbon disulfide	4.37	76	309860	22.937	ug/L	99
15) Methyl Acetate	4.68	43	39551	19.706	ug/L	100
16) Methylene chloride	4.92	84	106667	20.540	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	161813	22.885	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	109152	23.288	ug/L	94
19) 1,1-Dichloroethane	6.21	63	204096	23.120	ug/L	99
21) 2-Butanone	7.18	43	53387	38.698	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	119085	23.574	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48203	22.895	ug/L	91
25) Chloroform	7.68	83	207882	23.820	ug/L	99
27) 1,2-Dichloroethane	8.40	62	138538	23.329	ug/L	100
30) Cyclohexane	7.95	56	207091	24.189	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	179348	24.417	ug/L	99
32) Carbon tetrachloride	8.07	117	165883	24.816	ug/L	99
34) Benzene	8.32	78	469702	24.529	ug/L	100
35) Trichloroethene	9.09	95	123758	24.118	ug/L	98
36) Methylcyclohexane	9.34	83	221780	24.341	ug/L	99
40) 1,2-Dichloropropane	9.37	63	114606	23.949	ug/L	100
41) Bromodichloromethane	9.64	83	154174	24.407	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	185535	24.010	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	126527	39.463	ug/L	99
44) Toluene	10.38	91	512137	24.472	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	159993	23.757	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	77483	23.095	ug/L	99
47) Tetrachloroethene	10.86	164	95515	24.813	ug/L	98
49) 2-Hexanone	10.97	43	87778	43.451	ug/L	100
50) Dibromochloromethane	11.13	129	96572	23.794	ug/L	98
51) 1,2-Dibromoethane	11.24	107	73801	23.051	ug/L	98
52) Chlorobenzene	11.65	112	316169	23.946	ug/L	97
53) Ethylbenzene	11.73	91	594021	24.338	ug/L	99
54) m,p-Xylene	11.84	106	222457	24.397	ug/L	100
55) o-xylene	12.16	106	212946	24.275	ug/L	96
56) Styrene	12.18	104	367268	24.521	ug/L	99
57) Isopropylbenzene	12.46	105	604183	24.933	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	91626	22.959	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	66836	22.050	ug/L	99
62) Bromoform	12.35	173	53617	23.061	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	241327	24.109	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	246716	24.757	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	216606	24.599	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	15108	21.287	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	177921	25.851	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	146373	25.756	ug/L	97
69) Naphthalene	15.36	128	254430	23.857	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	124082	25.342	ug/L	99

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

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