

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111920\
 Data File : VW017403.D
 Acq On : 20 Nov 2020 05:02
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Nov 20 06:21:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 04:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371898	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	379525	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196550	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122059	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.68%
7) Chloroethane-d5	2.89	69	109184	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.84%
10) 1,1-Dichloroethene-d2	4.03	63	212730	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	7.09	46	44579	49.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.60%
24) Chloroform-d	7.65	84	233827	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.31	65	121643	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.08%
29) Benzene-d6	8.27	84	460385	21.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.08%
33) 1,2-Dichloropropane-d6	9.27	67	125881	22.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.36%
37) Toluene-d8	10.32	98	463638	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.08%
38) trans-1,3-Dichloropropene-	10.58	79	58903	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.96%
39) 2-Hexanone-d5	10.93	63	38769	50.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113904	26.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	183068	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	61010	17.656	ug/L	99
3) Chloromethane	2.21	50	99004	26.348	ug/L	99
5) Vinyl chloride	2.36	62	145154	26.302	ug/L	99
6) Bromomethane	2.78	94	108677	26.226	ug/L	100
8) Chloroethane	2.92	64	93019	26.930	ug/L	100
9) Trichlorofluoromethane	3.26	101	121383	24.719	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	133479	26.192	ug/L	99
12) 1,1-Dichloroethene	4.05	96	121561	24.836	ug/L	91
13) Acetone	4.15	43	27841	42.202	ug/L	96
14) Carbon disulfide	4.39	76	357626	24.876	ug/L	100
15) Methyl Acetate	4.68	43	38668	26.763	ug/L	100
16) Methylene chloride	4.92	84	134061	21.074	ug/L	91
17) Methyl tert-butyl Ether	5.43	73	165948	28.774	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	125377	23.933	ug/L	96
19) 1,1-Dichloroethane	6.21	63	195948	24.453	ug/L	98
21) 2-Butanone	7.18	43	46109	45.593	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	135304	25.431	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66351	26.579	ug/L	97
25) Chloroform	7.68	83	226381	25.260	ug/L	99
27) 1,2-Dichloroethane	8.40	62	141054	27.159	ug/L	98
30) Cyclohexane	7.96	56	177100	23.286	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	203103	22.867	ug/L	99
32) Carbon tetrachloride	8.07	117	199048	23.480	ug/L	98
34) Benzene	8.32	78	483719	22.561	ug/L	100
35) Trichloroethene	9.09	95	135528	22.346	ug/L	98
36) Methylcyclohexane	9.34	83	230862	23.824	ug/L	99
40) 1,2-Dichloropropane	9.37	63	116103	23.940	ug/L	100
41) Bromodichloromethane	9.65	83	169014	24.815	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	188581	25.054	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	116985	48.601	ug/L	100
44) Toluene	10.39	91	587719	24.712	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	163392	25.622	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100955	26.424	ug/L	99
47) Tetrachloroethene	10.87	164	127049	23.105	ug/L	94
49) 2-Hexanone	10.97	43	75178	51.892	ug/L	99
50) Dibromochloromethane	11.13	129	126222	25.839	ug/L	96
51) 1,2-Dibromoethane	11.24	107	97100	25.909	ug/L	95
52) Chlorobenzene	11.66	112	392425	24.780	ug/L	99
53) Ethylbenzene	11.73	91	678110	25.426	ug/L	96
54) m,p-Xylene	11.84	106	260690	25.367	ug/L	91
55) o-xylene	12.17	106	249996	25.635	ug/L	94
56) Styrene	12.18	104	427652	26.452	ug/L	99
57) Isopropylbenzene	12.46	105	691352	25.887	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	112609	27.212	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	78626	26.310	ug/L	98
62) Bromoform	12.35	173	74985	27.114	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	314792	24.576	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	312701	24.743	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	291390	26.173	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	14902	24.016	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	227929	24.459	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	166896	23.336	ug/L	99
69) Naphthalene	15.36	128	258617	25.187	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	141745	22.529	ug/L	98

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

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