

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
 Data File : VW018075.D
 Acq On : 11 Feb 2021 09:49
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Feb 12 02:29:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 11 00:57:43 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	412811	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	372663	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	195282	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	96937	18.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.56%
7) Chloroethane-d5	2.892	69	83165	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.68%
10) 1,1-Dichloroethene-d2	4.019	63	223738	21.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.24%
20) 2-Butanone-d5	7.074	46	53710	39.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.46%
24) Chloroform-d	7.647	84	243868	22.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	8.305	65	121057	20.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.92%
29) Benzene-d6	8.269	84	464198	22.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.72%
33) 1,2-Dichloropropane-d6	9.275	67	131639	23.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.00%
37) Toluene-d8	10.323	98	446999	22.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.84%
38) trans-1,3-Dichloroprop...	10.579	79	58334	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.921	63	45573	41.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.30%
48) 1,1,2,2-Tetrachloroeth...	12.689	84	110828	22.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.20%
61) 1,2-Dichlorobenzene-d4	13.853	152	164060	23.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.20%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	124009	22.20	ug/L	95
3) Chloromethane	2.215	50	90724	22.05	ug/L	100
5) Vinyl chloride	2.367	62	136130	23.99	ug/L	99
6) Bromomethane	2.782	94	92568	22.94	ug/L	99
8) Chloroethane	2.928	64	79061	23.32	ug/L	100
9) Trichlorofluoromethane	3.263	101	99195	24.18	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	144100	24.58	ug/L #	65
12) 1,1-Dichloroethene	4.038	96	136764	24.79	ug/L	98
13) Acetone	4.117	43	39072	38.57	ug/L	97
14) Carbon disulfide	4.385	76	392735	24.45	ug/L	99
15) Methyl Acetate	4.666	43	45776	20.37	ug/L	97
16) Methylene chloride	4.916	84	128133	19.37	ug/L	94
17) Methyl tert-butyl Ether	5.422	73	139242	22.49	ug/L	98
18) trans-1,2-Dichloroethene	5.422	96	142504	24.17	ug/L	95
19) 1,1-Dichloroethane	6.208	63	225063	23.66	ug/L	99
21) 2-Butanone	7.165	43	58196	37.74	ug/L	92
22) cis-1,2-Dichloroethene	7.165	96	147233	24.08	ug/L	95
23) Bromochloromethane	7.513	128	68977	23.47	ug/L	92
25) Chloroform	7.671	83	245036	23.60	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	147712	21.92	ug/L	99
30) Cyclohexane	7.952	56	211444	24.81	ug/L	96
31) 1,1,1-Trichloroethane	7.872	97	210369	25.46	ug/L	99
32) Carbon tetrachloride	8.067	117	204351	25.53	ug/L	99
34) Benzene	8.317	78	529217	24.30	ug/L	100
35) Trichloroethene	9.092	95	148701	24.23	ug/L	99
36) Methylcyclohexane	9.336	83	255822	24.79	ug/L	96
40) 1,2-Dichloropropane	9.366	63	119581	23.93	ug/L	100
41) Bromodichloromethane	9.640	83	172493	24.10	ug/L	99
42) cis-1,3-Dichloropropene	10.073	75	199990	24.83	ug/L	97
43) 4-Methyl-2-pentanone	10.207	43	127167	40.92	ug/L	93
44) Toluene	10.384	91	593903	24.77	ug/L	98
45) trans-1,3-Dichloropropene	10.604	75	170770	24.35	ug/L	100
46) 1,1,2-Trichloroethane	10.786	97	98518	23.09	ug/L	98
47) Tetrachloroethene	10.860	164	130949	25.06	ug/L	94
49) 2-Hexanone	10.963	43	88989	41.20	ug/L	95
50) Dibromochloromethane	11.128	129	125449	24.54	ug/L	95
51) 1,2-Dibromoethane	11.232	107	97109	22.82	ug/L	97
52) Chlorobenzene	11.658	112	380860	24.12	ug/L	98
53) Ethylbenzene	11.731	91	669435	24.58	ug/L	99
54) m,p-Xylene	11.835	106	259928	25.02	ug/L	94
55) o-xylene	12.164	106	243307	24.69	ug/L	99
56) Styrene	12.176	104	420001	25.06	ug/L	99
57) Isopropylbenzene	12.463	105	679929	24.78	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	109697	21.73	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	82190	21.50	ug/L	98
62) Bromoform	12.347	173	71839	23.87	ug/L	99
63) 1,3-Dichlorobenzene	13.499	146	310171	24.92	ug/L	95
64) 1,4-Dichlorobenzene	13.573	146	309430	24.72	ug/L	95
65) 1,2-Dichlorobenzene	13.865	146	276850	24.66	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	17947	21.11	ug/L	94
67) 1,3,5-Trichlorobenzene	14.627	180	245237	25.65	ug/L	97
68) 1,2,4-trichlorobenzene	15.133	180	196710	24.67	ug/L	94
69) Naphthalene	15.365	128	350897	22.62	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	169188	23.81	ug/L	98

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

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