

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\
 Data File : VW017328.D
 Acq On : 18 Nov 2020 15:04
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Quant Time: Nov 19 04:59:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 15:50:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	392793	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364135	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188308	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	131899	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
7) Chloroethane-d5	2.89	69	109265	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.03	63	236905	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.08	46	44602	46.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.40%
24) Chloroform-d	7.65	84	257423	24.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	8.31	65	124857	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.16%
29) Benzene-d6	8.27	84	501316	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	9.27	67	135177	24.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.88%
37) Toluene-d8	10.32	98	476385	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.60%
38) trans-1,3-Dichloropropene-	10.58	79	58909	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.96%
39) 2-Hexanone-d5	10.93	63	35621	48.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99502	24.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	170872	24.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	83119	22.774	ug/L 99
3) Chloromethane	2.21	50	90708	22.856	ug/L 98
5) Vinyl chloride	2.37	62	139964	24.012	ug/L 98
6) Bromomethane	2.78	94	102346	23.384	ug/L 99
8) Chloroethane	2.93	64	87671	24.032	ug/L 98
9) Trichlorofluoromethane	3.26	101	115048	22.183	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	126018	23.413	ug/L 98
12) 1,1-Dichloroethene	4.04	96	123543	23.898	ug/L 91
13) Acetone	4.13	43	30335	43.536	ug/L 95
14) Carbon disulfide	4.39	76	365779	24.089	ug/L 99
15) Methyl Acetate	4.67	43	36298	23.786	ug/L # 76
16) Methylene chloride	4.92	84	145984	21.728	ug/L 94
17) Methyl tert-butyl Ether	5.43	73	148490	24.377	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	131142	23.702	ug/L 96
19) 1,1-Dichloroethane	6.21	63	203375	24.029	ug/L 99
21) 2-Butanone	7.17	43	44201	41.381	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	137635	24.493	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64303	24.389	ug/L	99
25) Chloroform	7.68	83	229838	24.282	ug/L	100
27) 1,2-Dichloroethane	8.40	62	134415	24.504	ug/L	100
30) Cyclohexane	7.96	56	171650	23.523	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	200742	23.556	ug/L	100
32) Carbon tetrachloride	8.07	117	191620	23.559	ug/L	98
34) Benzene	8.33	78	486737	23.661	ug/L	100
35) Trichloroethene	9.09	95	136754	23.502	ug/L	99
36) Methylcyclohexane	9.34	83	224139	24.108	ug/L	98
40) 1,2-Dichloropropane	9.37	63	109783	23.594	ug/L	99
41) Bromodichloromethane	9.65	83	159639	24.429	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	177940	24.640	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	99455	43.064	ug/L	98
44) Toluene	10.39	91	541736	23.741	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	149719	24.470	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	88514	24.147	ug/L	99
47) Tetrachloroethene	10.87	164	122154	23.153	ug/L	98
49) 2-Hexanone	10.97	43	67025	48.219	ug/L	96
50) Dibromochloromethane	11.13	129	110762	23.632	ug/L	89
51) 1,2-Dibromoethane	11.24	107	86179	23.967	ug/L	97
52) Chlorobenzene	11.66	112	354238	23.314	ug/L	99
53) Ethylbenzene	11.73	91	617767	24.143	ug/L	97
54) m,p-Xylene	11.84	106	242448	24.589	ug/L	95
55) o-xylene	12.16	106	225199	24.068	ug/L	90
56) Styrene	12.18	104	377229	24.320	ug/L	98
57) Isopropylbenzene	12.46	105	622444	24.292	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	93643	23.585	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	66082	23.047	ug/L	99
62) Bromoform	12.35	173	60941	23.000	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	286324	23.332	ug/L	89
64) 1,4-Dichlorobenzene	13.58	146	283395	23.405	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	259046	24.287	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	13446	22.618	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	206075	23.082	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	162206	23.673	ug/L	100
69) Naphthalene	15.36	128	244333	24.838	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	141841	23.530	ug/L	95

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

