

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016326.D
 Acq On : 24 Aug 2020 12:57
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

Quant Time: Aug 25 15:00:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 05:29:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	304326	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	276421	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	137148	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	71806	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
7) Chloroethane-d5	2.89	69	56249	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.02	63	176071	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.24%
20) 2-Butanone-d5	7.07	46	44632	48.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.60%
24) Chloroform-d	7.65	84	191222	24.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	8.31	65	98428	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.28%
29) Benzene-d6	8.27	84	373868	24.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.92%
33) 1,2-Dichloropropane-d6	9.27	67	103793	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.20%
37) Toluene-d8	10.32	98	359131	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.68%
38) trans-1,3-Dichloropropene-	10.58	79	52248	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.40%
39) 2-Hexanone-d5	10.93	63	33412	48.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91345	25.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	127522	24.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	74025	22.138	ug/L 100
3) Chloromethane	2.21	50	62728	24.026	ug/L 99
5) Vinyl chloride	2.37	62	87205	24.524	ug/L 97
6) Bromomethane	2.78	94	56670	24.377	ug/L 97
8) Chloroethane	2.93	64	50861	25.652	ug/L 100
9) Trichlorofluoromethane	3.26	101	86079	22.369	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	104517	24.882	ug/L 99
12) 1,1-Dichloroethene	4.04	96	100145	24.788	ug/L 94
13) Acetone	4.12	43	35606	46.428	ug/L 99
14) Carbon disulfide	4.38	76	289041	24.130	ug/L 99
15) Methyl Acetate	4.67	43	39991	25.918	ug/L # 72
16) Methylene chloride	4.91	84	112492	19.996	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	152073	25.743	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	105236	24.797	ug/L 98
19) 1,1-Dichloroethane	6.21	63	175581	25.110	ug/L 98
21) 2-Butanone	7.17	43	53706	49.153	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	112576	25.222	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51707	25.257	ug/L	94
25) Chloroform	7.68	83	189022	25.101	ug/L	98
27) 1,2-Dichloroethane	8.40	62	119307	25.296	ug/L	100
30) Cyclohexane	7.96	56	153123	25.629	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	168988	25.418	ug/L	99
32) Carbon tetrachloride	8.07	117	159310	25.236	ug/L	97
34) Benzene	8.32	78	406220	25.620	ug/L	100
35) Trichloroethene	9.09	95	112060	24.962	ug/L	99
36) Methylcyclohexane	9.34	83	186778	25.486	ug/L	99
40) 1,2-Dichloropropane	9.37	63	95014	25.481	ug/L	99
41) Bromodichloromethane	9.65	83	135981	25.744	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	161796	26.501	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	116193	52.117	ug/L	99
44) Toluene	10.39	91	451314	26.138	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	143437	26.573	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	80311	26.095	ug/L	98
47) Tetrachloroethene	10.87	164	89822	25.373	ug/L	95
49) 2-Hexanone	10.97	43	80073	55.441	ug/L	98
50) Dibromochloromethane	11.13	129	100640	26.256	ug/L	100
51) 1,2-Dibromoethane	11.24	107	78233	25.970	ug/L #	97
52) Chlorobenzene	11.66	112	293848	25.481	ug/L	99
53) Ethylbenzene	11.73	91	516240	26.007	ug/L	98
54) m,p-Xylene	11.84	106	200381	26.267	ug/L	100
55) o-xylene	12.16	106	188844	26.350	ug/L	99
56) Styrene	12.18	104	325008	26.951	ug/L	95
57) Isopropylbenzene	12.46	105	520562	26.092	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	95926	26.711	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	70644	26.560	ug/L	96
62) Bromoform	12.35	173	56636	25.409	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	231355	25.031	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	227880	24.337	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	210952	25.560	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	17023	26.238	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	162247	25.437	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	137656	27.190	ug/L	97
69) Naphthalene	15.36	128	286689	28.827	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	121312	27.245	ug/L	96

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

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