

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016464.D
 Acq On : 04 Sep 2020 15:12
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:14:54 AM

Quant Time: Sep 08 01:14:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 00:59:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	732597	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	653075	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	301293	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	163589	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.20%
7) Chloroethane-d5	2.90	69	154151	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
10) 1,1-Dichloroethene-d2	4.02	63	275032	15.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.56%
20) 2-Butanone-d5	7.07	46	114130	41.11	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.22%
24) Chloroform-d	7.65	84	371944	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.31	65	205037	21.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.40%
29) Benzene-d6	8.27	84	741269	22.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.32%
33) 1,2-Dichloropropane-d6	9.27	67	212660	21.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.20%
37) Toluene-d8	10.32	98	715259	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.68%
38) trans-1,3-Dichloropropene-	10.58	79	104608	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.04%
39) 2-Hexanone-d5	10.93	63	90497	45.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	185802	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	242620	23.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	5492	0.670 ug/L	99
3) Chloromethane	2.22	50	4576	0.636 ug/L	99
5) Vinyl chloride	2.37	62	7334	0.800 ug/L #	38
6) Bromomethane	2.79	94	4755	0.694 ug/L	83
8) Chloroethane	2.93	64	4564	0.809 ug/L	89
9) Trichlorofluoromethane	3.28	101	4562	0.608 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	8767m	0.987 ug/L	
12) 1,1-Dichloroethene	4.05	96	8606	0.953 ug/L #	1
13) Acetone	4.12	43	4901m	2.751 ug/L	
14) Carbon disulfide	4.39	76	17965	0.651 ug/L #	94
15) Methyl Acetate	4.69	43	2770m	0.641 ug/L	
16) Methylene chloride	4.92	84	21341	1.867 ug/L	86
17) Methyl tert-butyl Ether	5.43	73	9440	0.697 ug/L #	69
18) trans-1,2-Dichloroethene	5.43	96	6526	0.681 ug/L	88
19) 1,1-Dichloroethane	6.21	63	9659	0.592 ug/L	92
21) 2-Butanone	7.13	43	8637m	2.888 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	6598	0.660 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.52	128	3284	0.709	ug/L #	58
25) Chloroform	7.68	83	12780m	0.757	ug/L	
27) 1,2-Dichloroethane	8.40	62	7505	0.667	ug/L	99
30) Cyclohexane	7.95	56	9650	0.619	ug/L #	92
31) 1,1,1-Trichloroethane	7.87	97	9642	0.682	ug/L	98
32) Carbon tetrachloride	8.07	117	9228	0.682	ug/L	97
34) Benzene	8.32	78	23842	0.668	ug/L	100
35) Trichloroethene	9.09	95	7154	0.723	ug/L	94
36) Methylcyclohexane	9.34	83	12469	0.720	ug/L	98
40) 1,2-Dichloropropane	9.37	63	5633	0.638	ug/L	100
41) Bromodichloromethane	9.65	83	8353	0.677	ug/L	88
42) cis-1,3-Dichloropropene	10.08	75	8973	0.599	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	14834	2.373	ug/L	97
44) Toluene	10.39	91	27068	0.677	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	8002	0.598	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	4781	0.683	ug/L	95
47) Tetrachloroethene	10.86	164	5487	0.692	ug/L	90
49) 2-Hexanone	10.98	43	5095	1.170	ug/L #	92
50) Dibromochloromethane	11.13	129	5599	0.633	ug/L	94
51) 1,2-Dibromoethane	11.24	107	4500	0.644	ug/L #	84
52) Chlorobenzene	11.66	112	16513	0.651	ug/L	91
53) Ethylbenzene	11.73	91	29350	0.652	ug/L	97
54) m,p-Xylene	11.84	106	12008	0.698	ug/L	84
55) o-xylene	12.17	106	10666	0.651	ug/L	95
56) Styrene	12.18	104	17799	0.632	ug/L	99
57) Isopropylbenzene	12.47	105	32070	0.715	ug/L #	85
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	6896	0.827	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	4282	0.687	ug/L	98
62) Bromoform	12.35	173	3141	0.621	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	13263	0.699	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	13169	0.700	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	11863	0.704	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	14.49	75	1164	0.741	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	8646	0.661	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	7036	0.622	ug/L	92
69) Naphthalene	15.37	128	12695	0.532	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.56	180	5713	0.588	ug/L	96

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

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