

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013488.D
 Acq On : 08 Oct 2019 15:53
 Operator : SY/VA
 Sample : K5111-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:09:55 PM

Quant Time: Oct 09 05:52:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:37:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	203584	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132779	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.88	113	132986	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	562823	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	189882	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	2507	2.306	ug/l #	62
3) Chloromethane	2.21	50	5247	2.746	ug/l	92
4) Vinyl Chloride	2.36	62	7341	2.605	ug/l	98
5) Bromomethane	2.77	94	4865	2.893	ug/l	82
6) Chloroethane	2.91	64	4247	2.683	ug/l #	82
7) Trichlorofluoromethane	3.25	101	3064	2.298	ug/l #	72
8) Diethyl Ether	3.68	74	3550	2.572	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7186	2.615	ug/l #	56
10) Methyl Iodide	4.27	142	11070	2.544	ug/l	98
11) Tert butyl alcohol	5.17	59	3810	17.759	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	7525	2.642	ug/l	98
13) Acrolein	3.89	56	847	4.098	ug/l	91
14) Allyl chloride	4.67	41	10562	2.413	ug/l	99
15) Acrylonitrile	5.37	53	8062	12.497	ug/l	97
16) Acetone	4.14	43	10496	17.789	ug/l #	88
17) Carbon Disulfide	4.38	76	20421	2.554	ug/l	99
18) Methyl Acetate	4.68	43	6114	3.617	ug/l	90
19) Methyl tert-butyl Ether	5.42	73	11954	2.775	ug/l	94
20) Methylene Chloride	4.92	84	19323	5.949	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	7521	2.485	ug/l	98
22) Diisopropyl ether	6.31	45	21212	2.586	ug/l	97
23) Vinyl Acetate	6.25	43	53973	10.962	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	12490	2.492	ug/l	98
25) 2-Butanone	7.18	43	13529	15.558	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	11689	3.617	ug/l	81
27) cis-1,2-Dichloroethene	7.17	96	8287	2.588	ug/l	84
28) Bromochloromethane	7.51	49	5121	2.864	ug/l #	98
29) Tetrahydrofuran	7.54	42	7215	13.576	ug/l	99
30) Chloroform	7.67	83	13231	2.729	ug/l	94
31) Cyclohexane	7.95	56	17802	3.355	ug/l #	60
32) 1,1,1-Trichloroethane	7.87	97	10008	2.539	ug/l	95
36) 1,1-Dichloropropene	8.08	75	11061	2.575	ug/l	98
37) Ethyl Acetate	7.25	43	5734	2.942	ug/l #	79
38) Carbon Tetrachloride	8.06	117	8839	2.321	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	14295	2.569	ug/l	97
40) Benzene	8.32	78	30561	2.549	ug/l	97
41) Methacrylonitrile	7.49	41	2305	2.080	ug/l #	78
42) 1,2-Dichloroethane	8.40	62	7648	2.524	ug/l	96
43) Isopropyl Acetate	8.42	43	8811	2.502	ug/l	99
44) Trichloroethene	9.09	130	8794	2.571	ug/l	91
45) 1,2-Dichloropropane	9.37	63	7051	2.450	ug/l	91
46) Dibromomethane	9.46	93	3458	2.412	ug/l	98
47) Bromodichloromethane	9.64	83	8592	2.411	ug/l	89
48) Methyl methacrylate	9.44	41	4416	2.546	ug/l	96
49) 1,4-Dioxane	9.46	88	1132	44.966	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	24673	13.329	ug/l	98
52) Toluene	10.38	92	19582	2.535	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	8725	2.356	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	10454	2.330	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	5534	2.572	ug/l	93
56) Ethyl methacrylate	10.65	69	6424	2.216	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	9247	2.502	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	18428	13.477	ug/l	98
59) 2-Hexanone	10.97	43	14424	11.363	ug/l	98
60) Dibromochloromethane	11.13	129	6057	2.447	ug/l	100
61) 1,2-Dibromoethane	11.23	107	5439	2.657	ug/l	96
64) Tetrachloroethene	10.86	164	8123	2.712	ug/l	97
65) Chlorobenzene	11.66	112	21413	2.648	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	7555	2.689	ug/l	96
67) Ethyl Benzene	11.73	91	37689	2.550	ug/l	100
68) m/p-Xylenes	11.84	106	28066	4.990	ug/l	96
69) o-Xylene	12.17	106	12973	2.497	ug/l	99
70) Styrene	12.18	104	20651	2.315	ug/l	99
71) Bromoform	12.35	173	3379	2.192	ug/l #	94
73) Isopropylbenzene	12.46	105	35433	2.430	ug/l	98
74) N-amyl acetate	12.27	43	7133	2.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	6161	2.479	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	3157m	1.862	ug/l	
77) Bromobenzene	12.74	156	9280	2.685	ug/l	96
78) n-propylbenzene	12.80	91	43065	2.554	ug/l	100
79) 2-Chlorotoluene	12.89	91	24258	2.568	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	30703	2.534	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1815m	2.188	ug/l	
82) 4-Chlorotoluene	12.99	91	25089	2.559	ug/l	97
83) tert-Butylbenzene	13.21	119	27530	2.558	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	31290	2.611	ug/l	96
85) sec-Butylbenzene	13.38	105	37023	2.490	ug/l	96
86) p-Isopropyltoluene	13.50	119	34720	2.542	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	18142	2.768	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	17677	2.753	ug/l	85
89) n-Butylbenzene	13.82	91	30474	2.469	ug/l	98
90) Hexachloroethane	14.09	117	5779	2.472	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	15817	2.733	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1117	2.819	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	10615	2.595	ug/l	98
94) Hexachlorobutadiene	15.23	225	8067	2.968	ug/l	96
95) Naphthalene	15.36	128	16072	2.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	9348	2.614	ug/l	98

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

