

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015102.D
 Acq On : 09 Mar 2020 17:23
 Operator : SY/VA
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:11 PM

Quant Time: Mar 10 18:32:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	399760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	775922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	679976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	286159	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	333560	56.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.50%	
35) Dibromofluoromethane	7.88	113	243971	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.32	98	1013316	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.62	95	324304	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5466	2.255	ug/l	96
3) Chloromethane	2.21	50	16310	3.135	ug/l	91
4) Vinyl Chloride	2.36	62	17500	2.570	ug/l	99
5) Bromomethane	2.78	94	10784	2.770	ug/l	84
6) Chloroethane	2.93	64	10037	2.545	ug/l	93
7) Trichlorofluoromethane	3.26	101	9337	2.740	ug/l	95
8) Diethyl Ether	3.69	74	7100	2.734	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14515	2.794	ug/l	99
10) Methyl Iodide	4.27	142	14378	2.488	ug/l	96
11) Tert butyl alcohol	5.15	59	11350	33.599	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	13727	2.703	ug/l	84
13) Acrolein	3.89	56	7733	15.652	ug/l	98
14) Allyl chloride	4.67	41	26499	2.603	ug/l	99
15) Acrylonitrile	5.37	53	19408	14.581	ug/l	98
16) Acetone	4.12	43	26768	19.968	ug/l	99
17) Carbon Disulfide	4.39	76	46740	2.595	ug/l	95
18) Methyl Acetate	4.67	43	10033	3.157	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	18750	2.884	ug/l	93
20) Methylene Chloride	4.91	84	31488	5.074	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	15010	2.783	ug/l	85
22) Diisopropyl ether	6.31	45	44591	2.283	ug/l #	88
23) Vinyl Acetate	6.25	43	133055	11.541	ug/l	99
24) 1,1-Dichloroethane	6.21	63	30872	2.711	ug/l	99
25) 2-Butanone	7.18	43	29671	16.146	ug/l	97
26) 2,2-Dichloropropane	7.16	77	23559	3.617	ug/l	90
27) cis-1,2-Dichloroethene	7.17	96	14798	2.636	ug/l	82
28) Bromochloromethane	7.51	49	14600	2.675	ug/l #	98
29) Tetrahydrofuran	7.52	42	15082	13.121	ug/l	99
30) Chloroform	7.68	83	28632	2.833	ug/l	97
31) Cyclohexane	7.95	56	41242	3.521	ug/l #	72
32) 1,1,1-Trichloroethane	7.87	97	20965	2.657	ug/l	98
36) 1,1-Dichloropropene	8.09	75	22592	2.511	ug/l	98
37) Ethyl Acetate	7.26	43	15485	3.453	ug/l #	95
38) Carbon Tetrachloride	8.06	117	17984	2.455	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24493	2.381	ug/l	98
40) Benzene	8.32	78	66317	2.652	ug/l	99
41) Methacrylonitrile	7.48	41	6327	2.668	ug/l	94
42) 1,2-Dichloroethane	8.40	62	20698	2.717	ug/l	98
43) Isopropyl Acetate	8.43	43	21535	2.679	ug/l	98
44) Trichloroethene	9.09	130	13347	2.507	ug/l	96
45) 1,2-Dichloropropane	9.37	63	16976	2.521	ug/l	99
46) Dibromomethane	9.46	93	8064	2.754	ug/l	98
47) Bromodichloromethane	9.64	83	18998	2.430	ug/l	98
48) Methyl methacrylate	9.43	41	8104	2.184	ug/l #	85
49) 1,4-Dioxane	9.44	88	2288	51.035	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	60750	13.680	ug/l	98
52) Toluene	10.38	92	37115	2.584	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	18427	2.396	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	21650	2.311	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	10882	2.712	ug/l	97
56) Ethyl methacrylate	10.65	69	11521	2.225	ug/l	95
57) 1,3-Dichloropropane	10.93	76	19187	2.512	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.92	63	35026	11.530	ug/l	97
59) 2-Hexanone	10.97	43	31766	11.452	ug/l	98
60) Dibromochloromethane	11.12	129	10108	2.439	ug/l	96
61) 1,2-Dibromoethane	11.23	107	9634	2.708	ug/l	97
64) Tetrachloroethene	10.86	164	10222	2.605	ug/l	93
65) Chlorobenzene	11.66	112	34692	2.542	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	11214	2.467	ug/l	95
67) Ethyl Benzene	11.73	91	63913	2.406	ug/l	97
68) m/p-Xylenes	11.84	106	41839	4.456	ug/l	100
69) o-Xylene	12.16	106	18878	2.232	ug/l	98
70) Styrene	12.18	104	29902	2.063	ug/l	99
71) Bromoform	12.35	173	5039	2.498	ug/l #	99
73) Isopropylbenzene	12.46	105	48568	2.222	ug/l	99
74) N-amyl acetate	12.27	43	14447	2.236	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	14053	3.166	ug/l	95
76) 1,2,3-Trichloropropane	12.76	75	10229m	3.163	ug/l	
77) Bromobenzene	12.74	156	11997	2.777	ug/l	96
78) n-propylbenzene	12.80	91	72310	2.545	ug/l	97
79) 2-Chlorotoluene	12.89	91	41720	2.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	43840	2.333	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3512m	2.453	ug/l	
82) 4-Chlorotoluene	12.99	91	43170	2.538	ug/l	98
83) tert-Butylbenzene	13.21	119	35616	2.339	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	41954	2.232	ug/l	96
85) sec-Butylbenzene	13.38	105	53396	2.317	ug/l	97
86) p-Isopropyltoluene	13.49	119	43613	2.202	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	24013	2.623	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	25792	2.861	ug/l	87
89) n-Butylbenzene	13.82	91	49083	2.298	ug/l	97
90) Hexachloroethane	14.08	117	10730	2.701	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	21486	2.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2094	2.938	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	9420	2.053	ug/l	99
94) Hexachlorobutadiene	15.24	225	7294	2.532	ug/l	98
95) Naphthalene	15.36	128	13973	1.631	ug/l	96
96) 1,2,3-Trichlorobenzene	15.55	180	8726	2.144	ug/l	98

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

