

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012744.D
 Acq On : 08 Sep 2019 03:40
 Operator : SY/VA
 Sample : VW0907SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:03:15 PM

Quant Time: Sep 08 05:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	159273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148359	58.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.44%	
35) Dibromofluoromethane	7.88	113	110829	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.32	98	438362	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	155758	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24134	19.520	ug/l	96
3) Chloromethane	2.21	50	29439	19.592	ug/l	97
4) Vinyl Chloride	2.36	62	33780	18.335	ug/l	99
5) Bromomethane	2.77	94	20635	20.626	ug/l	93
6) Chloroethane	2.92	64	19774	17.986	ug/l	99
7) Trichlorofluoromethane	3.25	101	18282	14.380	ug/l	96
8) Diethyl Ether	3.68	74	19169	17.939	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32027	16.052	ug/l	97
10) Methyl Iodide	4.27	142	44927	17.888	ug/l	97
11) Tert butyl alcohol	5.20	59	15079	77.341	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	30079	15.971	ug/l	95
13) Acrolein	3.89	56	10908	52.722	ug/l	95
14) Allyl chloride	4.66	41	63959	16.416	ug/l	97
15) Acrylonitrile	5.37	53	52334	83.853	ug/l	99
16) Acetone	4.14	43	43503	62.621	ug/l	98
17) Carbon Disulfide	4.37	76	68379	17.104	ug/l	99
18) Methyl Acetate	4.67	43	32302	19.819	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	69547	18.619	ug/l	95
20) Methylene Chloride	4.91	84	40739	18.745	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35860	18.660	ug/l	90
22) Diisopropyl ether	6.31	45	162822	21.071	ug/l	95
23) Vinyl Acetate	6.25	43	468698	95.708	ug/l	98
24) 1,1-Dichloroethane	6.21	63	86884	20.882	ug/l	98
25) 2-Butanone	7.17	43	82108	93.633	ug/l	95
26) 2,2-Dichloropropane	7.16	77	45411	17.280	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	48518	21.774	ug/l	97
28) Bromochloromethane	7.51	49	40251	21.068	ug/l	97
29) Tetrahydrofuran	7.53	42	54155	96.534	ug/l	99
30) Chloroform	7.67	83	90033	21.834	ug/l	98
31) Cyclohexane	7.95	56	70260	18.757	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	68846	20.597	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61814	19.210	ug/l	98
37) Ethyl Acetate	7.26	43	38592	18.814	ug/l	99
38) Carbon Tetrachloride	8.07	117	59294	18.693	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62072	17.175	ug/l	99
40) Benzene	8.32	78	183119	20.511	ug/l	100
41) Methacrylonitrile	7.48	41	23408	19.337	ug/l	93
42) 1,2-Dichloroethane	8.40	62	65366	20.804	ug/l	99
43) Isopropyl Acetate	8.42	43	72947	18.771	ug/l	97
44) Trichloroethene	9.09	130	44260	19.232	ug/l	93
45) 1,2-Dichloropropane	9.37	63	49524	20.000	ug/l	99
46) Dibromomethane	9.46	93	24081	20.537	ug/l	100
47) Bromodichloromethane	9.64	83	65474	20.296	ug/l	99
48) Methyl methacrylate	9.43	41	33682	18.136	ug/l	99
49) 1,4-Dioxane	9.47	88	8062	348.081	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	188249	92.314	ug/l	100
52) Toluene	10.38	92	110892	19.901	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	60811	18.332	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	70913	18.845	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	34498	19.652	ug/l	95
56) Ethyl methacrylate	10.65	69	49430	19.236	ug/l	98
57) 1,3-Dichloropropane	10.93	76	64062	19.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	132566	97.177	ug/l	99
59) 2-Hexanone	10.97	43	126106	84.645	ug/l	98
60) Dibromochloromethane	11.13	129	39832	19.293	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32738	20.342	ug/l	99
64) Tetrachloroethene	10.86	164	41093	21.023	ug/l	100
65) Chlorobenzene	11.65	112	119932	19.698	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44303	19.539	ug/l	99
67) Ethyl Benzene	11.73	91	213603	18.699	ug/l	99
68) m/p-Xylenes	11.84	106	160721	38.978	ug/l	99
69) o-Xylene	12.16	106	75562	19.424	ug/l	99
70) Styrene	12.18	104	133976	19.490	ug/l	99
71) Bromoform	12.35	173	23509	18.662	ug/l #	97
73) Isopropylbenzene	12.46	105	205834	18.018	ug/l	100
74) N-amyl acetate	12.27	43	62830	17.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41687	18.171	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	27922m	17.144	ug/l	
77) Bromobenzene	12.74	156	50788	19.624	ug/l	95
78) n-propylbenzene	12.80	91	249473	18.260	ug/l	100
79) 2-Chlorotoluene	12.89	91	150354	19.170	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	185546	19.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11777	15.294	ug/l	93
82) 4-Chlorotoluene	12.99	91	157748	19.014	ug/l	99
83) tert-Butylbenzene	13.21	119	158294	18.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	183882	18.958	ug/l	97
85) sec-Butylbenzene	13.38	105	214049	18.123	ug/l	100
86) p-Isopropyltoluene	13.50	119	198105	18.363	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	98782	19.418	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	97187	19.200	ug/l	99
89) n-Butylbenzene	13.82	91	181875	17.366	ug/l	99
90) Hexachloroethane	14.09	117	35191	18.686	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	85111	18.589	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7159	17.052	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59032	18.518	ug/l	97
94) Hexachlorobutadiene	15.24	225	39465	17.886	ug/l	98
95) Naphthalene	15.36	128	108965	19.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	48320	17.172	ug/l	100

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

