

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013292.D
 Acq On : 25 Sep 2019 11:41
 Operator : SY/VA
 Sample : VW0925SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0925SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 3:33:17 PM

Quant Time: Sep 25 17:36:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183082	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	117248	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	7.88	113	113511	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.32	98	475272	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	164439	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	30397	18.408	ug/l	92
3) Chloromethane	2.21	50	42229	19.894	ug/l	98
4) Vinyl Chloride	2.35	62	56494	20.644	ug/l	94
5) Bromomethane	2.78	94	34432	19.854	ug/l	89
6) Chloroethane	2.91	64	31941	19.801	ug/l	95
7) Trichlorofluoromethane	3.25	101	29565	18.736	ug/l	96
8) Diethyl Ether	3.68	74	28392	21.064	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53516	20.831	ug/l	99
10) Methyl Iodide	4.27	142	78513	19.711	ug/l	99
11) Tert butyl alcohol	5.20	59	21290	121.384	ug/l	95
12) 1,1-Dichloroethene	4.03	96	53145	19.977	ug/l	97
13) Acrolein	3.89	56	15076	112.093	ug/l	97
14) Allyl chloride	4.67	41	85312	20.149	ug/l	98
15) Acrylonitrile	5.37	53	74158	127.470	ug/l	97
16) Acetone	4.13	43	62086	117.836	ug/l	98
17) Carbon Disulfide	4.38	76	150194	19.532	ug/l	98
18) Methyl Acetate	4.67	43	37549	25.353	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	92080	22.583	ug/l	100
20) Methylene Chloride	4.92	84	58857	20.105	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	58327	20.285	ug/l	98
22) Diisopropyl ether	6.31	45	163850	20.351	ug/l	97
23) Vinyl Acetate	6.25	43	540508	113.161	ug/l	100
24) 1,1-Dichloroethane	6.21	63	96169	19.794	ug/l	97
25) 2-Butanone	7.17	43	101163	127.902	ug/l	99
26) 2,2-Dichloropropane	7.16	77	64295	20.127	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	61438	20.247	ug/l	99
28) Bromochloromethane	7.51	49	32207	17.272	ug/l #	94
29) Tetrahydrofuran	7.53	42	65175	134.366	ug/l	98
30) Chloroform	7.67	83	93482	19.653	ug/l	96
31) Cyclohexane	7.95	56	105996	20.930	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	77251	20.053	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82891	21.069	ug/l	99
37) Ethyl Acetate	7.25	43	43399	25.956	ug/l	98
38) Carbon Tetrachloride	8.06	117	72598	20.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	108113	21.384	ug/l	98
40) Benzene	8.32	78	226628	20.652	ug/l	100
41) Methacrylonitrile	7.48	41	23979	24.029	ug/l	92
42) 1,2-Dichloroethane	8.40	62	62379	21.146	ug/l	99
43) Isopropyl Acetate	8.42	43	78281	24.428	ug/l	97
44) Trichloroethene	9.09	130	63513	20.629	ug/l	96
45) 1,2-Dichloropropane	9.37	63	56171	20.966	ug/l	98
46) Dibromomethane	9.46	93	28353	21.798	ug/l	96
47) Bromodichloromethane	9.65	83	66647	20.137	ug/l	99
48) Methyl methacrylate	9.44	41	36613	24.297	ug/l	97
49) 1,4-Dioxane	9.47	88	11224	574.865	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	209500	130.404	ug/l	100
52) Toluene	10.38	92	149002	21.186	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71387	20.994	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	85935	20.785	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43877	22.569	ug/l	97
56) Ethyl methacrylate	10.65	69	59823	23.512	ug/l	98
57) 1,3-Dichloropropane	10.93	76	76533	22.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	136406	115.804	ug/l	98
59) 2-Hexanone	10.97	43	148708	134.541	ug/l	100
60) Dibromochloromethane	11.13	129	46686	21.148	ug/l	98
61) 1,2-Dibromoethane	11.23	107	42521	23.003	ug/l	97
64) Tetrachloroethene	10.86	164	55726	20.954	ug/l	97
65) Chlorobenzene	11.66	112	151226	20.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51636	20.650	ug/l	98
67) Ethyl Benzene	11.73	91	277179	20.900	ug/l	97
68) m/p-Xylenes	11.84	106	215434	42.630	ug/l	100
69) o-Xylene	12.16	106	97988	20.855	ug/l	99
70) Styrene	12.18	104	169466	21.009	ug/l	100
71) Bromoform	12.35	173	30442	23.044	ug/l #	100
73) Isopropylbenzene	12.46	105	274870	20.324	ug/l	100
74) N-amyl acetate	12.27	43	70371	23.449	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	54416	24.058	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	42062m	26.015	ug/l	
77) Bromobenzene	12.75	156	66371	20.709	ug/l	98
78) n-propylbenzene	12.80	91	323810	20.454	ug/l	99
79) 2-Chlorotoluene	12.89	91	180866	20.393	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	230933	20.313	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16381	22.734	ug/l	94
82) 4-Chlorotoluene	12.99	91	191620	20.488	ug/l	99
83) tert-Butylbenzene	13.21	119	205516	20.596	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	229110	20.252	ug/l	99
85) sec-Butylbenzene	13.38	105	285723	20.769	ug/l	100
86) p-Isopropyltoluene	13.50	119	262678	20.586	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	124580	20.198	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	125718	20.782	ug/l	99
89) n-Butylbenzene	13.82	91	240040	20.602	ug/l	99
90) Hexachloroethane	14.09	117	42513	19.833	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	112193	21.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8688	25.113	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	79716	20.848	ug/l	99
94) Hexachlorobutadiene	15.24	225	55479	21.207	ug/l	99
95) Naphthalene	15.36	128	151053	24.154	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	70871	21.450	ug/l	99

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

