

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008042.D
 Acq On : 04 Jan 2019 12:50
 Operator : SY/AP
 Sample : VW0104SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 1:22:51 PM

Quant Time: Jan 05 01:00:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	120364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44629	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.88	113	38372	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.32	98	149023	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.62	95	51466	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12604m	18.360	ug/l
3) Chloromethane	2.21	50	9686	19.019	ug/l
4) Vinyl Chloride	2.37	62	13632	20.725	ug/l
5) Bromomethane	2.79	94	7767	18.586	ug/l
6) Chloroethane	2.93	64	6095	18.130	ug/l
7) Trichlorofluoromethane	3.26	101	13785	20.878	ug/l
8) Diethyl Ether	3.68	74	7173	21.152	ug/l
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16166	20.603	ug/l
10) Methyl Iodide	4.26	142	25138	19.914	ug/l
11) Tert butyl alcohol	5.23	59	4779m	88.904	ug/l
12) 1,1-Dichloroethene	4.03	96	15021	20.000	ug/l
13) Acrolein	3.90	56	3487	95.740	ug/l
14) Allyl chloride	4.67	41	19993	19.649	ug/l
15) Acrylonitrile	5.38	53	12827	102.838	ug/l
16) Acetone	4.14	43	14472	112.992	ug/l
17) Carbon Disulfide	4.38	76	43323	18.884	ug/l
18) Methyl Acetate	4.68	43	6770	20.382	ug/l
19) Methyl tert-butyl Ether	5.43	73	24383	20.629	ug/l
20) Methylene Chloride	4.92	84	16146	18.966	ug/l
21) trans-1,2-Dichloroethene	5.42	96	15972	19.546	ug/l
22) Diisopropyl ether	6.31	45	37777	20.685	ug/l
23) Vinyl Acetate	6.26	43	107550	105.253	ug/l
24) 1,1-Dichloroethane	6.22	63	26579	19.587	ug/l
25) 2-Butanone	7.18	43	16981	112.528	ug/l
26) 2,2-Dichloropropane	7.17	77	22635	20.246	ug/l
27) cis-1,2-Dichloroethene	7.17	96	16887	19.401	ug/l
28) Bromochloromethane	7.52	49	7555	17.322	ug/l #
29) Tetrahydrofuran	7.54	42	9794	104.486	ug/l
30) Chloroform	7.68	83	29460	19.371	ug/l
31) Cyclohexane	7.96	56	25280	19.988	ug/l #
32) 1,1,1-Trichloroethane	7.87	97	29248	20.099	ug/l
36) 1,1-Dichloropropene	8.08	75	22860	19.253	ug/l
37) Ethyl Acetate	7.26	43	7456	20.906	ug/l
38) Carbon Tetrachloride	8.07	117	27779	19.522	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29131	19.683	ug/l	97
40) Benzene	8.32	78	61601	19.666	ug/l	99
41) Methacrylonitrile	7.49	41	3833	18.279	ug/l #	77
42) 1,2-Dichloroethane	8.40	62	20679	19.814	ug/l	99
43) Isopropyl Acetate	8.43	43	15787	22.154	ug/l	99
44) Trichloroethene	9.09	130	18379	19.884	ug/l	98
45) 1,2-Dichloropropane	9.37	63	13564	20.006	ug/l #	88
46) Dibromomethane	9.46	93	7959	20.078	ug/l	97
47) Bromodichloromethane	9.65	83	21906	19.730	ug/l	99
48) Methyl methacrylate	9.44	41	7629	21.232	ug/l	98
49) 1,4-Dioxane	9.48	88	2050	349.464	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	36221	109.806	ug/l	99
52) Toluene	10.38	92	40518	19.594	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	21548	20.183	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	24252	20.357	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	10967	20.434	ug/l	97
56) Ethyl methacrylate	10.65	69	12655	20.857	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18640	20.440	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	30008	104.283	ug/l	100
59) 2-Hexanone	10.97	43	24893	109.313	ug/l	99
60) Dibromochloromethane	11.13	129	14207	19.338	ug/l	95
61) 1,2-Dibromoethane	11.24	107	10163	18.922	ug/l	99
64) Tetrachloroethene	10.86	164	14708	21.567	ug/l	97
65) Chlorobenzene	11.66	112	39709	18.820	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	15249	19.957	ug/l	98
67) Ethyl Benzene	11.73	91	72428	19.339	ug/l #	89
68) m/p-Xylenes	11.84	106	59834	41.324	ug/l	94
69) o-Xylene	12.17	106	26147	19.407	ug/l	96
70) Styrene	12.18	104	41570	18.930	ug/l	100
71) Bromoform	12.35	173	7538	21.293	ug/l #	97
73) Isopropylbenzene	12.47	105	71666	18.709	ug/l	93
74) N-amyl acetate	12.28	43	12583	21.103	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10212	20.953	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	6819m	17.793	ug/l	
77) Bromobenzene	12.74	156	16589	20.149	ug/l	94
78) n-propylbenzene	12.80	91	88708	19.974	ug/l	100
79) 2-Chlorotoluene	12.90	91	50559	19.697	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	68368	20.735	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3489	21.530	ug/l	96
82) 4-Chlorotoluene	12.99	91	49965	18.307	ug/l	94
83) tert-Butylbenzene	13.21	119	58034	20.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	66804	20.003	ug/l	95
85) sec-Butylbenzene	13.39	105	84651	21.332	ug/l	97
86) p-Isopropyltoluene	13.50	119	71342	19.931	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	33145	19.952	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	34369	20.897	ug/l	96
89) n-Butylbenzene	13.83	91	69888	21.346	ug/l	94
90) Hexachloroethane	14.09	117	12042	19.388	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	29554	20.245	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2129	21.522	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21244	20.720	ug/l	98
94) Hexachlorobutadiene	15.24	225	11719	19.796	ug/l	96
95) Naphthalene	15.38	128	37294	21.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	17489	20.731	ug/l	98

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

