

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010526.D
 Acq On : 23 May 2019 13:32
 Operator : SY/VA
 Sample : VW0523SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:44:29 PM

Quant Time: May 24 08:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	145298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	214030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72930	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	78511	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.32	98	304922	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.62	95	114854	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21473	16.401	ug/l	95
3) Chloromethane	2.21	50	24043	15.749	ug/l	99
4) Vinyl Chloride	2.35	62	28107	15.895	ug/l	98
5) Bromomethane	2.75	94	19936	16.388	ug/l	92
6) Chloroethane	2.91	64	18971	16.712	ug/l	99
7) Trichlorofluoromethane	3.25	101	51336	19.664	ug/l	99
8) Diethyl Ether	3.68	74	14279	17.254	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31800	19.779	ug/l	99
10) Methyl Iodide	4.27	142	29256	15.920	ug/l	98
11) Tert butyl alcohol	5.17	59	14855	110.120	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	29456	19.193	ug/l	97
13) Acrolein	3.90	56	7929	86.259	ug/l	100
14) Allyl chloride	4.67	41	41235	18.562	ug/l	99
15) Acrylonitrile	5.37	53	27799	80.209	ug/l	100
16) Acetone	4.12	43	29387	95.996	ug/l	97
17) Carbon Disulfide	4.37	76	79888	17.452	ug/l	100
18) Methyl Acetate	4.67	43	13012	17.379	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	70008	17.893	ug/l	99
20) Methylene Chloride	4.91	84	32020	14.195	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	34439	19.563	ug/l	94
22) Diisopropyl ether	6.31	45	83872	18.413	ug/l	95
23) Vinyl Acetate	6.25	43	236779	87.020	ug/l	99
24) 1,1-Dichloroethane	6.21	63	52771	19.413	ug/l	99
25) 2-Butanone	7.17	43	38796	88.556	ug/l	98
26) 2,2-Dichloropropane	7.17	77	57067	22.039	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	37674	19.685	ug/l	96
28) Bromochloromethane	7.51	49	18855	19.373	ug/l	95
29) Tetrahydrofuran	7.52	42	22440	75.696	ug/l	97
30) Chloroform	7.68	83	58024	19.789	ug/l	98
31) Cyclohexane	7.95	56	53448	18.771	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	55207	19.700	ug/l	97
36) 1,1-Dichloropropene	8.08	75	46933	20.531	ug/l	99
37) Ethyl Acetate	7.25	43	16851	17.335	ug/l	98
38) Carbon Tetrachloride	8.06	117	49920	20.244	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62904	20.540	ug/l	98
40) Benzene	8.32	78	127904	20.131	ug/l	99
41) Methacrylonitrile	7.48	41	9152	15.845	ug/l	98
42) 1,2-Dichloroethane	8.40	62	34776	19.151	ug/l	99
43) Isopropyl Acetate	8.42	43	32598	16.786	ug/l	98
44) Trichloroethene	9.09	130	38298	20.304	ug/l	98
45) 1,2-Dichloropropane	9.37	63	29832	19.770	ug/l	97
46) Dibromomethane	9.46	93	16657	18.875	ug/l	97
47) Bromodichloromethane	9.65	83	42602	19.211	ug/l	98
48) Methyl methacrylate	9.43	41	14453	16.268	ug/l	95
49) 1,4-Dioxane	9.45	88	4612	319.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	82193	83.525	ug/l	100
52) Toluene	10.39	92	87314	20.463	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	41292	18.385	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	49770	19.403	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	23921	18.850	ug/l	99
56) Ethyl methacrylate	10.65	69	29094	16.624	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40052	18.842	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	68206	87.985	ug/l	98
59) 2-Hexanone	10.97	43	55888	79.615	ug/l	99
60) Dibromochloromethane	11.13	129	29878	18.603	ug/l	99
61) 1,2-Dibromoethane	11.24	107	24237	18.854	ug/l	99
64) Tetrachloroethene	10.86	164	30478	20.428	ug/l	97
65) Chlorobenzene	11.66	112	93932	20.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33324	20.394	ug/l	99
67) Ethyl Benzene	11.73	91	166491	20.673	ug/l	100
68) m/p-Xylenes	11.84	106	131516	41.634	ug/l	99
69) o-Xylene	12.17	106	61402	20.516	ug/l	100
70) Styrene	12.18	104	102723	20.229	ug/l	99
71) Bromoform	12.35	173	15528	17.257	ug/l #	100
73) Isopropylbenzene	12.46	105	169159	20.915	ug/l	100
74) N-amyl acetate	12.27	43	29926	16.147	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26098	17.741	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18547m	17.927	ug/l	
77) Bromobenzene	12.75	156	37621	20.786	ug/l	98
78) n-propylbenzene	12.80	91	192921	20.468	ug/l	100
79) 2-Chlorotoluene	12.90	91	112258	20.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	142283	20.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7836	15.808	ug/l	94
82) 4-Chlorotoluene	12.99	91	116939	20.612	ug/l	100
83) tert-Butylbenzene	13.21	119	123085	20.571	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	140670	20.619	ug/l	100
85) sec-Butylbenzene	13.38	105	173156	20.679	ug/l	99
86) p-Isopropyltoluene	13.50	119	157202	20.742	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	73178	20.608	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	72541	20.361	ug/l	97
89) n-Butylbenzene	13.83	91	147678	20.485	ug/l	99
90) Hexachloroethane	14.10	117	29427	20.060	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	65247	20.166	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4562	16.678	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	44237	20.095	ug/l	99
94) Hexachlorobutadiene	15.24	225	24464	20.802	ug/l	99
95) Naphthalene	15.37	128	81675	17.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	37784	19.947	ug/l	99

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

