

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008302.D
 Acq On : 16 Jan 2019 12:28
 Operator : SY/VA
 Sample : VW0116SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 11:33:29 AM

Quant Time: Jan 17 05:43:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	90762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	47162	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	7.88	113	47359	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	10.32	98	200927	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	71265	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12383	16.717	ug/l	97
3) Chloromethane	2.21	50	19043	19.816	ug/l	97
4) Vinyl Chloride	2.36	62	26283	20.955	ug/l	100
5) Bromomethane	2.78	94	18694	19.896	ug/l	98
6) Chloroethane	2.92	64	17899	18.965	ug/l	96
7) Trichlorofluoromethane	3.25	101	18586	18.227	ug/l	94
8) Diethyl Ether	3.67	74	11966	20.758	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20268	20.020	ug/l	95
10) Methyl Iodide	4.26	142	28286	19.171	ug/l	98
11) Tert butyl alcohol	5.18	59	6448	85.257	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	20813	20.940	ug/l	92
13) Acrolein	3.89	56	4554	65.955	ug/l	95
14) Allyl chloride	4.65	41	34845	19.309	ug/l	98
15) Acrylonitrile	5.36	53	21854	99.580	ug/l	96
16) Acetone	4.12	43	21318	103.903	ug/l	97
17) Carbon Disulfide	4.37	76	58896	18.968	ug/l	96
18) Methyl Acetate	4.67	43	11215	17.395	ug/l	92
19) Methyl tert-butyl Ether	5.42	73	28280	17.501	ug/l	94
20) Methylene Chloride	4.90	84	23821	20.922	ug/l	88
21) trans-1,2-Dichloroethene	5.41	96	22721	21.035	ug/l	88
22) Diisopropyl ether	6.31	45	67413	19.587	ug/l	98
23) Vinyl Acetate	6.25	43	168994	93.492	ug/l	97
24) 1,1-Dichloroethane	6.21	63	41499	20.694	ug/l	98
25) 2-Butanone	7.17	43	28380	99.993	ug/l	94
26) 2,2-Dichloropropane	7.16	77	27555	20.280	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	25335	21.498	ug/l	95
28) Bromochloromethane	7.50	49	16789	21.167	ug/l	98
29) Tetrahydrofuran	7.53	42	17466	92.126	ug/l	97
30) Chloroform	7.67	83	43332	22.701	ug/l	95
31) Cyclohexane	7.95	56	40463	18.848	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	35382	21.303	ug/l	99
36) 1,1-Dichloropropene	8.07	75	34399	21.587	ug/l	99
37) Ethyl Acetate	7.25	43	11492	18.001	ug/l	97
38) Carbon Tetrachloride	8.06	117	33316	22.843	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	41348	20.464	ug/l	90
40) Benzene	8.32	78	95964	22.203	ug/l	98
41) Methacrylonitrile	7.48	41	6145	15.238	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	25727	21.164	ug/l	99
43) Isopropyl Acetate	8.42	43	22921	17.957	ug/l	96
44) Trichloroethene	9.09	130	25377	22.937	ug/l	90
45) 1,2-Dichloropropane	9.37	63	23789	22.198	ug/l	95
46) Dibromomethane	9.46	93	11033	20.963	ug/l	97
47) Bromodichloromethane	9.64	83	29918	22.387	ug/l #	99
48) Methyl methacrylate	9.43	41	11157	18.524	ug/l	92
49) 1,4-Dioxane	9.45	88	2980	352.080	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	57453	92.987	ug/l	100
52) Toluene	10.38	92	61423	22.253	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	29324	21.095	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	35149	21.323	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	16683	22.577	ug/l	95
56) Ethyl methacrylate	10.65	69	17788	19.438	ug/l	97
57) 1,3-Dichloropropane	10.93	76	29376	21.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	44418	93.967	ug/l	98
59) 2-Hexanone	10.97	43	41449	99.202	ug/l	98
60) Dibromochloromethane	11.13	129	18440	22.725	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15434	22.012	ug/l	97
64) Tetrachloroethene	10.86	164	20523	21.949	ug/l	93
65) Chlorobenzene	11.66	112	66930	21.989	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	22350	22.575	ug/l	99
67) Ethyl Benzene	11.73	91	118868	21.343	ug/l	99
68) m/p-Xylenes	11.84	106	92046	43.300	ug/l	99
69) o-Xylene	12.17	106	42299	21.488	ug/l	99
70) Styrene	12.18	104	68156	22.104	ug/l	97
71) Bromoform	12.35	173	9860	22.253	ug/l #	94
73) Isopropylbenzene	12.47	105	118320	20.640	ug/l	100
74) N-amyl acetate	12.27	43	21988	17.320	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	18538	20.203	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10209m	15.337	ug/l	
77) Bromobenzene	12.75	156	26130	21.572	ug/l	90
78) n-propylbenzene	12.81	91	147390	20.984	ug/l	99
79) 2-Chlorotoluene	12.90	91	82040	20.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	101160	21.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5248	18.360	ug/l	96
82) 4-Chlorotoluene	12.99	91	86944	21.066	ug/l	97
83) tert-Butylbenzene	13.21	119	86492	20.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	103240	21.249	ug/l	99
85) sec-Butylbenzene	13.39	105	129471	21.208	ug/l	98
86) p-Isopropyltoluene	13.50	119	112243	21.291	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	54933	22.357	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	52888	21.454	ug/l	98
89) n-Butylbenzene	13.83	91	107416	20.804	ug/l	99
90) Hexachloroethane	14.10	117	20519	23.044	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	47014	21.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2945	19.944	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	30419	21.217	ug/l	96
94) Hexachlorobutadiene	15.24	225	17052	22.222	ug/l	97
95) Naphthalene	15.37	128	48415	18.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24668	20.184	ug/l	95

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

