

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012819\
 Data File : VW008433.D
 Acq On : 28 Jan 2019 12:20
 Operator : SY/VA
 Sample : VW0128SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:19:52 PM

Quant Time: Jan 29 04:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	494731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	757275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	672098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	345788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	237063	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	7.88	113	234165	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.32	98	920123	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.62	95	335054	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	38694	15.906	ug/l	97
3) Chloromethane	2.21	50	62652	15.514	ug/l	98
4) Vinyl Chloride	2.36	62	88292	17.175	ug/l	99
5) Bromomethane	2.78	94	63689	19.208	ug/l	98
6) Chloroethane	2.93	64	59015	18.771	ug/l	97
7) Trichlorofluoromethane	3.25	101	69175	18.734	ug/l	98
8) Diethyl Ether	3.67	74	43534	17.645	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	82385	18.412	ug/l	99
10) Methyl Iodide	4.26	142	133494	18.888	ug/l	99
11) Tert butyl alcohol	5.17	59	31971	81.703	ug/l	95
12) 1,1-Dichloroethene	4.03	96	81751	18.053	ug/l	98
13) Acrolein	3.89	56	32157	95.769	ug/l	96
14) Allyl chloride	4.66	41	146346	17.019	ug/l	99
15) Acrylonitrile	5.37	53	88839	83.388	ug/l	100
16) Acetone	4.12	43	88400	80.994	ug/l	99
17) Carbon Disulfide	4.37	76	252215	17.439	ug/l	98
18) Methyl Acetate	4.67	43	45857	15.752	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	132110	17.633	ug/l	99
20) Methylene Chloride	4.90	84	94445	18.774	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	90056	17.689	ug/l	97
22) Diisopropyl ether	6.31	45	271897	16.684	ug/l	94
23) Vinyl Acetate	6.25	43	787563	81.841	ug/l	98
24) 1,1-Dichloroethane	6.21	63	158943	17.230	ug/l	98
25) 2-Butanone	7.17	43	123837	81.687	ug/l	98
26) 2,2-Dichloropropane	7.16	77	113598	18.218	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	99848	17.996	ug/l	96
28) Bromochloromethane	7.51	49	72969	17.222	ug/l	95
29) Tetrahydrofuran	7.53	42	75828	78.931	ug/l	96
30) Chloroform	7.67	83	161729	17.824	ug/l	99
31) Cyclohexane	7.95	56	162198	17.004	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	140641	17.946	ug/l	99
36) 1,1-Dichloropropene	8.08	75	131651	18.404	ug/l	98
37) Ethyl Acetate	7.25	43	52155	16.480	ug/l #	93
38) Carbon Tetrachloride	8.06	117	136981	19.030	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171362	18.236	ug/l	97
40) Benzene	8.32	78	362060	18.240	ug/l	98
41) Methacrylonitrile	7.48	41	37343	19.927	ug/l	91
42) 1,2-Dichloroethane	8.40	62	102882	17.885	ug/l	98
43) Isopropyl Acetate	8.42	43	110161	16.754	ug/l	96
44) Trichloroethene	9.09	130	104016	19.270	ug/l	96
45) 1,2-Dichloropropane	9.37	63	89687	18.121	ug/l	97
46) Dibromomethane	9.46	93	45728	17.964	ug/l	95
47) Bromodichloromethane	9.64	83	122378	18.176	ug/l	94
48) Methyl methacrylate	9.43	41	54391	16.918	ug/l	98
49) 1,4-Dioxane	9.45	88	14431	335.385	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	269822	83.067	ug/l	100
52) Toluene	10.38	92	236006	18.012	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	126039	17.592	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	146791	18.054	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	63310	17.930	ug/l	98
56) Ethyl methacrylate	10.65	69	82873	16.750	ug/l	97
57) 1,3-Dichloropropane	10.93	76	112150	17.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	226195	94.097	ug/l	95
59) 2-Hexanone	10.97	43	190816	83.212	ug/l	100
60) Dibromochloromethane	11.13	129	82264	18.130	ug/l	99
61) 1,2-Dibromoethane	11.24	107	62620	17.886	ug/l	98
64) Tetrachloroethene	10.86	164	87855	19.307	ug/l	98
65) Chlorobenzene	11.66	112	258002	18.805	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	92750	18.895	ug/l	99
67) Ethyl Benzene	11.73	91	462534	18.340	ug/l	99
68) m/p-Xylenes	11.84	106	358771	36.665	ug/l	98
69) o-Xylene	12.16	106	169854	18.269	ug/l	96
70) Styrene	12.18	104	274607	17.881	ug/l	98
71) Bromoform	12.35	173	49738	18.009	ug/l #	100
73) Isopropylbenzene	12.46	105	471470	18.289	ug/l	99
74) N-amyl acetate	12.27	43	108751	16.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	71020	17.401	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61683m	20.517	ug/l	
77) Bromobenzene	12.75	156	105902	18.810	ug/l	95
78) n-propylbenzene	12.80	91	561428	18.133	ug/l	99
79) 2-Chlorotoluene	12.90	91	310169	17.752	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	392109	18.198	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	25689	16.877	ug/l	98
82) 4-Chlorotoluene	12.99	91	325981	17.524	ug/l	97
83) tert-Butylbenzene	13.21	119	356025	18.568	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	394041	17.992	ug/l	99
85) sec-Butylbenzene	13.38	105	500204	18.267	ug/l	99
86) p-Isopropyltoluene	13.50	119	443413	18.486	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	211010	18.558	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	210282	18.610	ug/l	99
89) n-Butylbenzene	13.83	91	417534	17.729	ug/l	99
90) Hexachloroethane	14.10	117	87570	18.668	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	185301	18.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13715	17.711	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	136136	18.962	ug/l	99
94) Hexachlorobutadiene	15.24	225	82778	19.132	ug/l	99
95) Naphthalene	15.37	128	226602	17.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	114560	18.811	ug/l	99

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

