

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009241.D
 Acq On : 19 Mar 2019 15:12
 Operator : SY/VA
 Sample : VW0319SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:07 AM

Quant Time: Mar 20 07:43:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	342249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	506016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	454947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	253971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	163380	44.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.76%	
35) Dibromofluoromethane	7.88	113	151901	47.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.64%	
50) Toluene-d8	10.32	98	566047	48.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.62	95	210364	49.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	48265	22.354	ug/l	97
3) Chloromethane	2.21	50	49180	19.823	ug/l	100
4) Vinyl Chloride	2.37	62	71912	19.749	ug/l	96
5) Bromomethane	2.78	94	57011	19.199	ug/l	91
6) Chloroethane	2.92	64	54048	19.131	ug/l	95
7) Trichlorofluoromethane	3.24	101	45326	19.002	ug/l	91
8) Diethyl Ether	3.67	74	31794	18.482	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	66620	19.280	ug/l	94
10) Methyl Iodide	4.26	142	96427	19.358	ug/l	97
11) Tert butyl alcohol	5.16	59	18439	87.246	ug/l	100
12) 1,1-Dichloroethene	4.03	96	64192	19.653	ug/l	96
13) Acrolein	3.89	56	13637	79.051	ug/l	100
14) Allyl chloride	4.66	41	96131	19.964	ug/l	97
15) Acrylonitrile	5.35	53	63816	88.268	ug/l	98
16) Acetone	4.12	43	74461	99.695	ug/l	99
17) Carbon Disulfide	4.37	76	178547	19.608	ug/l	96
18) Methyl Acetate	4.67	43	29450	15.364	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	78159	19.497	ug/l	99
20) Methylene Chloride	4.91	84	68685	20.407	ug/l #	93
21) trans-1,2-Dichloroethene	5.41	96	66457	19.776	ug/l	96
22) Diisopropyl ether	6.31	45	199572	19.225	ug/l	98
23) Vinyl Acetate	6.25	43	610290	93.697	ug/l	99
24) 1,1-Dichloroethane	6.20	63	124742	19.471	ug/l	99
25) 2-Butanone	7.16	43	94184	88.005	ug/l	99
26) 2,2-Dichloropropane	7.16	77	73480	20.527	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	71074	19.522	ug/l	99
28) Bromochloromethane	7.51	49	50628	18.016	ug/l #	99
29) Tetrahydrofuran	7.52	42	59171	86.984	ug/l	98
30) Chloroform	7.66	83	126449	18.969	ug/l	96
31) Cyclohexane	7.95	56	119863	20.068	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	103840	19.516	ug/l	98
36) 1,1-Dichloropropene	8.08	75	99892	19.838	ug/l	97
37) Ethyl Acetate	7.25	43	40886	17.794	ug/l	98
38) Carbon Tetrachloride	8.06	117	104303	19.573	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	117694	20.202	ug/l	93
40) Benzene	8.32	78	271079	19.852	ug/l	99
41) Methacrylonitrile	7.48	41	22213	17.937	ug/l	98
42) 1,2-Dichloroethane	8.39	62	83925	18.802	ug/l	98
43) Isopropyl Acetate	8.42	43	80354	17.465	ug/l	97
44) Trichloroethene	9.09	130	73979	19.777	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66105	19.044	ug/l	93
46) Dibromomethane	9.45	93	35134	18.406	ug/l	98
47) Bromodichloromethane	9.64	83	93127	19.307	ug/l	91
48) Methyl methacrylate	9.43	41	37228	17.477	ug/l	98
49) 1,4-Dioxane	9.45	88	10581	357.385	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	207890	86.699	ug/l	99
52) Toluene	10.38	92	170061	19.656	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87618	18.627	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	103927	19.639	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	47291	18.297	ug/l	97
56) Ethyl methacrylate	10.64	69	54856	17.824	ug/l	96
57) 1,3-Dichloropropane	10.93	76	85567	19.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143020	158.818	ug/l	98
59) 2-Hexanone	10.97	43	143897	88.395	ug/l	99
60) Dibromochloromethane	11.13	129	59464	18.621	ug/l	98
61) 1,2-Dibromoethane	11.23	107	45587	18.518	ug/l	100
64) Tetrachloroethene	10.86	164	61769	19.825	ug/l	97
65) Chlorobenzene	11.66	112	189066	20.095	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	66899	19.036	ug/l	99
67) Ethyl Benzene	11.73	91	329505	20.219	ug/l	99
68) m/p-Xylenes	11.84	106	251631	39.836	ug/l	98
69) o-Xylene	12.16	106	117257	19.990	ug/l	99
70) Styrene	12.18	104	194842	20.147	ug/l	98
71) Bromoform	12.35	173	35255	18.366	ug/l #	98
73) Isopropylbenzene	12.46	105	336555	19.826	ug/l	100
74) N-amyl acetate	12.27	43	76982	17.385	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	55524	17.486	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	40213m	16.849	ug/l	
77) Bromobenzene	12.75	156	76262	18.966	ug/l	98
78) n-propylbenzene	12.80	91	414107	19.863	ug/l	100
79) 2-Chlorotoluene	12.89	91	230321	19.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	289018	20.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17448	17.938	ug/l	99
82) 4-Chlorotoluene	12.99	91	241070	19.321	ug/l	99
83) tert-Butylbenzene	13.21	119	244110	19.788	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	293791	19.851	ug/l	100
85) sec-Butylbenzene	13.38	105	370167	20.306	ug/l	100
86) p-Isopropyltoluene	13.50	119	327115	20.151	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	160679	19.311	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	160498	19.373	ug/l	99
89) n-Butylbenzene	13.83	91	314614	20.190	ug/l	99
90) Hexachloroethane	14.10	117	62216	19.439	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	141403	18.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10201	17.941	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	97445	19.447	ug/l	98
94) Hexachlorobutadiene	15.24	225	63522	19.932	ug/l	99
95) Naphthalene	15.37	128	154440	17.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	85204	19.049	ug/l	99

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

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