

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021419\
 Data File : VW008662.D
 Acq On : 14 Feb 2019 13:26
 Operator : SY/VA
 Sample : VW0214SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:10:50 AM

Quant Time: Feb 15 03:20:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	401846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	605826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	538123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	278082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	208718	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.88	113	196922	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.32	98	756248	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	278060	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54863	21.316	ug/l	97
3) Chloromethane	2.21	50	72028	19.413	ug/l	100
4) Vinyl Chloride	2.37	62	94552	19.400	ug/l	98
5) Bromomethane	2.78	94	80709	20.928	ug/l	98
6) Chloroethane	2.92	64	74809	20.628	ug/l	100
7) Trichlorofluoromethane	3.25	101	72045	18.979	ug/l	93
8) Diethyl Ether	3.67	74	45714	20.181	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	83389	20.787	ug/l	98
10) Methyl Iodide	4.27	142	127977	20.440	ug/l	100
11) Tert butyl alcohol	5.18	59	29416	88.004	ug/l	100
12) 1,1-Dichloroethene	4.03	96	80903	20.622	ug/l	93
13) Acrolein	3.88	56	30900	89.726	ug/l	97
14) Allyl chloride	4.66	41	135318	20.761	ug/l	98
15) Acrylonitrile	5.36	53	94594	99.211	ug/l	98
16) Acetone	4.12	43	91198	95.930	ug/l	92
17) Carbon Disulfide	4.37	76	243336	20.554	ug/l	97
18) Methyl Acetate	4.66	43	39808	18.325	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	143827	20.884	ug/l	100
20) Methylene Chloride	4.90	84	94266	17.854	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	88782	20.665	ug/l	93
22) Diisopropyl ether	6.31	45	268247	20.448	ug/l	97
23) Vinyl Acetate	6.25	43	839600	98.613	ug/l	100
24) 1,1-Dichloroethane	6.21	63	157980	20.870	ug/l	99
25) 2-Butanone	7.17	43	127543	95.011	ug/l	94
26) 2,2-Dichloropropane	7.16	77	99114	20.959	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	97241	20.931	ug/l	98
28) Bromochloromethane	7.51	49	66920	20.942	ug/l	99
29) Tetrahydrofuran	7.53	42	83845	94.762	ug/l	98
30) Chloroform	7.67	83	157526	20.768	ug/l	96
31) Cyclohexane	7.95	56	156428	20.473	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	137978	21.539	ug/l	97
36) 1,1-Dichloropropene	8.08	75	128458	21.105	ug/l	100
37) Ethyl Acetate	7.25	43	59751	20.351	ug/l	99
38) Carbon Tetrachloride	8.06	117	125268	20.697	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	161681	21.002	ug/l	98
40) Benzene	8.32	78	351873	21.168	ug/l	97
41) Methacrylonitrile	7.48	41	34128	20.659	ug/l	96
42) 1,2-Dichloroethane	8.40	62	107212	20.793	ug/l	100
43) Isopropyl Acetate	8.43	43	113555	19.396	ug/l	97
44) Trichloroethene	9.09	130	97171	21.083	ug/l	96
45) 1,2-Dichloropropane	9.37	63	85659	20.822	ug/l	95
46) Dibromomethane	9.46	93	47045	20.759	ug/l	98
47) Bromodichloromethane	9.64	83	112109	20.584	ug/l	98
48) Methyl methacrylate	9.44	41	52499	19.349	ug/l	97
49) 1,4-Dioxane	9.45	88	13072	361.366	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	288038	95.776	ug/l	100
52) Toluene	10.38	92	221802	20.683	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	114824	20.068	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	132445	20.420	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	64506	20.745	ug/l	99
56) Ethyl methacrylate	10.65	69	78900	19.109	ug/l	99
57) 1,3-Dichloropropane	10.93	76	113732	20.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	223473	112.825	ug/l	99
59) 2-Hexanone	10.97	43	202801	95.991	ug/l	99
60) Dibromochloromethane	11.13	129	74523	20.030	ug/l	99
61) 1,2-Dibromoethane	11.23	107	62723	20.487	ug/l	100
64) Tetrachloroethene	10.86	164	84133	21.024	ug/l	96
65) Chlorobenzene	11.66	112	248316	21.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	83738	20.380	ug/l	98
67) Ethyl Benzene	11.73	91	433884	21.001	ug/l	98
68) m/p-Xylenes	11.84	106	334928	41.664	ug/l	100
69) o-Xylene	12.16	106	156910	20.650	ug/l	99
70) Styrene	12.18	104	247889	19.973	ug/l	98
71) Bromoform	12.35	173	42403	19.153	ug/l #	98
73) Isopropylbenzene	12.46	105	439153	21.201	ug/l	100
74) N-amyl acetate	12.27	43	107587	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	75304	20.895	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53086m	19.333	ug/l	
77) Bromobenzene	12.75	156	101413	21.299	ug/l	97
78) n-propylbenzene	12.80	91	528814	21.486	ug/l	100
79) 2-Chlorotoluene	12.89	91	292972	21.062	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	359500	20.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	20780	18.364	ug/l	96
82) 4-Chlorotoluene	12.99	91	304126	20.631	ug/l	99
83) tert-Butylbenzene	13.21	119	314969	21.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	370848	20.972	ug/l	100
85) sec-Butylbenzene	13.38	105	463290	21.298	ug/l	99
86) p-Isopropyltoluene	13.50	119	406723	20.900	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	201511	20.877	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	200870	21.116	ug/l	98
89) n-Butylbenzene	13.83	91	388541	21.011	ug/l	99
90) Hexachloroethane	14.10	117	70560	20.754	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	179714	21.015	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12218	19.509	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	133253	21.889	ug/l	97
94) Hexachlorobutadiene	15.24	225	78444	22.137	ug/l	97
95) Naphthalene	15.37	128	222593	20.404	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	113786	21.782	ug/l	99

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

