

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010869.D
 Acq On : 20 Jun 2019 01:48
 Operator : SY/VA
 Sample : VW0619SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 12:00:32 PM

Quant Time: Jun 20 07:11:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173929	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	154997	57.18	ug/l	0.00
Spiked Amount			Recovery	=	114.36%	
35) Dibromofluoromethane	7.88	113	114501	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.32	98	472208	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.62	95	177645	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	43717	20.570	ug/l	98
3) Chloromethane	2.21	50	70734	22.621	ug/l	100
4) Vinyl Chloride	2.35	62	59946	20.750	ug/l	97
5) Bromomethane	2.73	94	36250	22.849	ug/l	93
6) Chloroethane	2.90	64	37189	21.446	ug/l	97
7) Trichlorofluoromethane	3.25	101	80742	21.530	ug/l	95
8) Diethyl Ether	3.68	74	31084	23.194	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49287	21.377	ug/l	98
10) Methyl Iodide	4.27	142	35968	18.489	ug/l	98
11) Tert butyl alcohol	5.16	59	42884	194.184	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	48354	21.741	ug/l	96
13) Acrolein	3.90	56	5630	62.387	ug/l	92
14) Allyl chloride	4.67	41	112425	22.925	ug/l	98
15) Acrylonitrile	5.37	53	82970	127.433	ug/l	98
16) Acetone	4.12	43	81510	112.218	ug/l	99
17) Carbon Disulfide	4.37	76	139059	19.696	ug/l	97
18) Methyl Acetate	4.67	43	52265	33.427	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	155451	24.233	ug/l	96
20) Methylene Chloride	4.92	84	58871	23.104	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	56275	22.288	ug/l	95
22) Diisopropyl ether	6.31	45	240643	24.510	ug/l	97
23) Vinyl Acetate	6.26	43	653137	110.231	ug/l	99
24) 1,1-Dichloroethane	6.21	63	117681	23.918	ug/l	100
25) 2-Butanone	7.17	43	129991	129.064	ug/l	96
26) 2,2-Dichloropropane	7.17	77	83660	20.895	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	64767	23.309	ug/l	96
28) Bromochloromethane	7.51	49	52491	23.905	ug/l	95
29) Tetrahydrofuran	7.53	42	81933	129.331	ug/l	99
30) Chloroform	7.68	83	108542	24.118	ug/l	100
31) Cyclohexane	7.95	56	116166	21.239	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	89457	22.755	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85845	20.973	ug/l	100
37) Ethyl Acetate	7.25	43	54039	23.825	ug/l	99
38) Carbon Tetrachloride	8.07	117	74222	21.006	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102512	19.702	ug/l	95
40) Benzene	8.32	78	247993	22.209	ug/l	100
41) Methacrylonitrile	7.48	41	32022	23.752	ug/l	97
42) 1,2-Dichloroethane	8.40	62	84145	23.743	ug/l	98
43) Isopropyl Acetate	8.43	43	104828	23.923	ug/l	98
44) Trichloroethene	9.09	130	59462	21.588	ug/l	98
45) 1,2-Dichloropropane	9.37	63	67135	22.713	ug/l	98
46) Dibromomethane	9.46	93	31926	23.254	ug/l	97
47) Bromodichloromethane	9.65	83	79467	22.330	ug/l	95
48) Methyl methacrylate	9.44	41	51133	24.202	ug/l	96
49) 1,4-Dioxane	9.45	88	10674	497.279	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	276116	123.343	ug/l	100
52) Toluene	10.39	92	150765	21.944	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	78256	20.760	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	95167	21.455	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45964	23.240	ug/l	97
56) Ethyl methacrylate	10.65	69	69429	22.813	ug/l	96
57) 1,3-Dichloropropane	10.93	76	86248	23.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	186913	117.258	ug/l	99
59) 2-Hexanone	10.97	43	189585	117.180	ug/l	98
60) Dibromochloromethane	11.13	129	46464	21.193	ug/l	97
61) 1,2-Dibromoethane	11.24	107	43610	23.272	ug/l	98
64) Tetrachloroethene	10.86	164	62312	25.960	ug/l	98
65) Chlorobenzene	11.66	112	153329	21.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	53258	21.641	ug/l	99
67) Ethyl Benzene	11.73	91	289372	21.179	ug/l	100
68) m/p-Xylenes	11.84	106	207783	42.483	ug/l	97
69) o-Xylene	12.16	106	100560	21.679	ug/l	98
70) Styrene	12.18	104	172942	21.462	ug/l	99
71) Bromoform	12.35	173	26433	20.768	ug/l #	99
73) Isopropylbenzene	12.46	105	271949	20.807	ug/l	99
74) N-amyl acetate	12.27	43	95880	22.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	55466	22.292	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	41993m	22.991	ug/l	
77) Bromobenzene	12.75	156	61616	21.597	ug/l	97
78) n-propylbenzene	12.80	91	329781	20.925	ug/l	99
79) 2-Chlorotoluene	12.90	91	195985	21.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227843	21.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15097	18.997	ug/l	93
82) 4-Chlorotoluene	12.99	91	201139	21.647	ug/l	99
83) tert-Butylbenzene	13.21	119	194244	21.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	230438	21.405	ug/l	98
85) sec-Butylbenzene	13.38	105	273336	20.677	ug/l	100
86) p-Isopropyltoluene	13.50	119	243452	20.594	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	118632	21.562	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	118209	21.672	ug/l	98
89) n-Butylbenzene	13.83	91	240654	20.404	ug/l	99
90) Hexachloroethane	14.10	117	42974	20.300	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	108923	22.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9782	22.894	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	75054	21.616	ug/l	99
94) Hexachlorobutadiene	15.24	225	45570	20.912	ug/l	98
95) Naphthalene	15.37	128	138302	21.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	66228	22.428	ug/l	100

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

