

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052919\
 Data File : VW010583.D
 Acq On : 29 May 2019 11:39
 Operator : SY/VA
 Sample : VW0529SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 10:13:16 AM

Quant Time: May 30 07:22:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	136926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	225411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	202691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65537	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
35) Dibromofluoromethane	7.88	113	69272	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.32	98	271055	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.62	95	104267	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21360	17.327	ug/l	98
3) Chloromethane	2.21	50	23274	16.178	ug/l	98
4) Vinyl Chloride	2.35	62	27121	16.275	ug/l	100
5) Bromomethane	2.75	94	20258	17.671	ug/l	91
6) Chloroethane	2.90	64	20062	18.754	ug/l	99
7) Trichlorofluoromethane	3.25	101	52452	21.320	ug/l	100
8) Diethyl Ether	3.68	74	14804	18.982	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32332	21.340	ug/l	96
10) Methyl Iodide	4.27	142	27205	15.709	ug/l	98
11) Tert butyl alcohol	5.15	59	17793	139.963	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	30225	20.898	ug/l	95
13) Acrolein	3.90	56	6547	72.546	ug/l	96
14) Allyl chloride	4.67	41	41219	19.689	ug/l	98
15) Acrylonitrile	5.37	53	29764	91.129	ug/l	100
16) Acetone	4.12	43	28355	98.288	ug/l	98
17) Carbon Disulfide	4.37	76	80257	18.604	ug/l	98
18) Methyl Acetate	4.67	43	13647	19.342	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	72625	19.697	ug/l	100
20) Methylene Chloride	4.91	84	31877	15.314	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	35281	21.267	ug/l	89
22) Diisopropyl ether	6.31	45	85967	20.026	ug/l	98
23) Vinyl Acetate	6.25	43	236143	92.092	ug/l	99
24) 1,1-Dichloroethane	6.21	63	53808	21.005	ug/l	98
25) 2-Butanone	7.17	43	39573	95.853	ug/l	99
26) 2,2-Dichloropropane	7.17	77	55635	22.800	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	38637	21.423	ug/l	99
28) Bromochloromethane	7.51	49	18556	20.232	ug/l	91
29) Tetrahydrofuran	7.53	42	24210	86.660	ug/l	99
30) Chloroform	7.68	83	58267	21.087	ug/l	97
31) Cyclohexane	7.95	56	54037	20.138	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	56937	21.559	ug/l	98
36) 1,1-Dichloropropene	8.08	75	46888	22.330	ug/l	99
37) Ethyl Acetate	7.25	43	17766	19.896	ug/l	99
38) Carbon Tetrachloride	8.07	117	51277	22.637	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62247	22.126	ug/l	98
40) Benzene	8.32	78	131077	22.459	ug/l	99
41) Methacrylonitrile	7.48	41	9576	18.049	ug/l	97
42) 1,2-Dichloroethane	8.40	62	35450	21.252	ug/l	100
43) Isopropyl Acetate	8.42	43	33615	18.844	ug/l	98
44) Trichloroethene	9.09	130	40255	23.233	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30998	22.363	ug/l	98
46) Dibromomethane	9.46	93	17102	21.097	ug/l	98
47) Bromodichloromethane	9.64	83	43587	21.397	ug/l	98
48) Methyl methacrylate	9.43	41	15853	19.425	ug/l	96
49) 1,4-Dioxane	9.45	88	5094	384.681	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	84426	93.397	ug/l	99
52) Toluene	10.39	92	89086	22.729	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	42183	20.446	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	50758	21.542	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25446	21.829	ug/l	96
56) Ethyl methacrylate	10.65	69	30825	19.174	ug/l	99
57) 1,3-Dichloropropane	10.93	76	42274	21.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	65737	92.316	ug/l	96
59) 2-Hexanone	10.97	43	60005	93.056	ug/l	99
60) Dibromochloromethane	11.13	129	31400	21.284	ug/l	98
61) 1,2-Dibromoethane	11.24	107	25062	21.224	ug/l	99
64) Tetrachloroethene	10.86	164	32385	22.920	ug/l	98
65) Chlorobenzene	11.66	112	99411	23.013	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	34760	22.463	ug/l	99
67) Ethyl Benzene	11.73	91	172307	22.592	ug/l	98
68) m/p-Xylenes	11.84	106	136809	45.733	ug/l	100
69) o-Xylene	12.17	106	64681	22.821	ug/l	98
70) Styrene	12.18	104	108348	22.530	ug/l	100
71) Bromoform	12.35	173	16824	19.743	ug/l #	98
73) Isopropylbenzene	12.47	105	177485	22.361	ug/l	99
74) N-amyl acetate	12.27	43	31755	17.459	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	27549	19.082	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19638m	19.342	ug/l	
77) Bromobenzene	12.75	156	40802	22.971	ug/l	95
78) n-propylbenzene	12.80	91	204921	22.154	ug/l	99
79) 2-Chlorotoluene	12.90	91	118343	22.062	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	150606	22.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8458	17.386	ug/l	97
82) 4-Chlorotoluene	12.99	91	124716	22.399	ug/l	99
83) tert-Butylbenzene	13.21	119	135802	23.127	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	149930	22.393	ug/l	99
85) sec-Butylbenzene	13.38	105	185475	22.571	ug/l	100
86) p-Isopropyltoluene	13.50	119	169688	22.814	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	80594	23.127	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	79200	22.652	ug/l	98
89) n-Butylbenzene	13.83	91	156120	22.067	ug/l	99
90) Hexachloroethane	14.10	117	31188	21.663	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	71500	22.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4823	17.967	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	47743	22.099	ug/l	100
94) Hexachlorobutadiene	15.24	225	27359	23.705	ug/l	98
95) Naphthalene	15.37	128	84084	18.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	40623	21.853	ug/l	99

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

