

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007451.D
 Acq On : 12 Dec 2018 21:29
 Operator : SY/AP
 Sample : VW1215SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Manual Integrations
 APPROVED

apatel
 12/18/2018 10:55:49 AM

Quant Time: Dec 13 04:33:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	45599	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.88	113	41841	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.32	98	160340	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	60975	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13930	23.745	ug/l	99
3) Chloromethane	2.21	50	9590	19.519	ug/l	99
4) Vinyl Chloride	2.37	62	11203	19.430	ug/l	96
5) Bromomethane	2.78	94	7511	19.389	ug/l	96
6) Chloroethane	2.92	64	6202	19.541	ug/l	92
7) Trichlorofluoromethane	3.25	101	9794	18.894	ug/l	98
8) Diethyl Ether	3.68	74	8494	20.936	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17488	20.446	ug/l	99
10) Methyl Iodide	4.26	142	29058	20.512	ug/l	99
11) Tert butyl alcohol	5.17	59	7226	112.969	ug/l	98
12) 1,1-Dichloroethene	4.03	96	16671	20.243	ug/l	92
13) Acrolein	3.89	56	4554	107.596	ug/l	97
14) Allyl chloride	4.66	41	23753	19.568	ug/l	98
15) Acrylonitrile	5.37	53	17350	101.442	ug/l	100
16) Acetone	4.12	43	16759	103.018	ug/l	95
17) Carbon Disulfide	4.37	76	50334	20.158	ug/l	98
18) Methyl Acetate	4.67	43	9141	20.703	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	24835	19.991	ug/l	93
20) Methylene Chloride	4.90	84	19909	20.031	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	18584	20.173	ug/l	99
22) Diisopropyl ether	6.31	45	45954	19.695	ug/l	95
23) Vinyl Acetate	6.25	43	131962	101.114	ug/l	95
24) 1,1-Dichloroethane	6.21	63	31832	20.186	ug/l	99
25) 2-Butanone	7.17	43	21459	101.041	ug/l	98
26) 2,2-Dichloropropane	7.16	77	21035	20.155	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	20575	20.397	ug/l	100
28) Bromochloromethane	7.51	49	12060	20.331	ug/l	97
29) Tetrahydrofuran	7.53	42	13858	103.071	ug/l	99
30) Chloroform	7.67	83	34625	20.176	ug/l	100
31) Cyclohexane	7.95	56	28261	19.533	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	30039	19.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25734	19.964	ug/l	98
37) Ethyl Acetate	7.25	43	9724	20.282	ug/l	98
38) Carbon Tetrachloride	8.07	117	29305	20.894	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32273	20.676	ug/l	97
40) Benzene	8.32	78	73835	20.640	ug/l	100
41) Methacrylonitrile	7.49	41	5651	20.699	ug/l	97
42) 1,2-Dichloroethane	8.40	62	23262	20.701	ug/l	100
43) Isopropyl Acetate	8.42	43	19869	20.980	ug/l	100
44) Trichloroethene	9.09	130	21141	20.696	ug/l	97
45) 1,2-Dichloropropane	9.37	63	17300	20.898	ug/l	99
46) Dibromomethane	9.46	93	9893	21.044	ug/l	98
47) Bromodichloromethane	9.64	83	26012	21.095	ug/l	99
48) Methyl methacrylate	9.44	41	9478	19.487	ug/l	96
49) 1,4-Dioxane	9.45	88	3483	456.621	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	46740	104.454	ug/l	100
52) Toluene	10.39	92	48406	20.910	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	25357	21.182	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	28213	20.387	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14079	22.005	ug/l	94
56) Ethyl methacrylate	10.65	69	16554	21.526	ug/l	98
57) 1,3-Dichloropropane	10.93	76	23209	22.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	32796	92.478	ug/l	99
59) 2-Hexanone	10.97	43	32737	109.719	ug/l	99
60) Dibromochloromethane	11.13	129	17234	21.344	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13676	21.630	ug/l	97
64) Tetrachloroethene	10.86	164	17784	19.448	ug/l	94
65) Chlorobenzene	11.66	112	54324	20.497	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	19337	20.716	ug/l	98
67) Ethyl Benzene	11.73	91	95017	20.852	ug/l	90
68) m/p-Xylenes	11.84	106	73596	41.546	ug/l	100
69) o-Xylene	12.17	106	35505	21.461	ug/l	100
70) Styrene	12.18	104	57503	21.519	ug/l	98
71) Bromoform	12.35	173	9558	20.005	ug/l #	97
73) Isopropylbenzene	12.47	105	97652	20.085	ug/l	99
74) N-amyl acetate	12.27	43	17894	20.251	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	15213	21.126	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	11537m	22.052	ug/l	
77) Bromobenzene	12.75	156	22065	20.474	ug/l	95
78) n-propylbenzene	12.81	91	114448	20.917	ug/l	100
79) 2-Chlorotoluene	12.90	91	66912	20.210	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	84391	20.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4741	20.018	ug/l	96
82) 4-Chlorotoluene	12.99	91	70883	20.311	ug/l	98
83) tert-Butylbenzene	13.21	119	74563	20.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	85904	20.434	ug/l	97
85) sec-Butylbenzene	13.39	105	101904	20.738	ug/l	95
86) p-Isopropyltoluene	13.50	119	92283	20.904	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	45140	21.008	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	43540	20.156	ug/l	98
89) n-Butylbenzene	13.83	91	84133	20.558	ug/l	99
90) Hexachloroethane	14.10	117	15799	20.114	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40171	20.873	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3000	20.760	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27191	20.530	ug/l	95
94) Hexachlorobutadiene	15.24	225	14505	20.641	ug/l	99
95) Naphthalene	15.37	128	51773	20.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	23528	20.450	ug/l	96

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

