

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120518\
 Data File : VW007258.D
 Acq On : 06 Dec 2018 04:57
 Operator : SY/AP
 Sample : VW1205SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS02

Manual Integrations
 APPROVED

apatel
 12/6/2018 3:11:37 PM

Quant Time: Dec 06 07:29:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	89934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	148412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	68188	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	50149	59.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.78%	
35) Dibromofluoromethane	7.88	113	47004	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	
50) Toluene-d8	10.33	98	199237	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.62	95	72100	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	20715	21.053	ug/l	98
3) Chloromethane	2.21	50	24940	20.015	ug/l	98
4) Vinyl Chloride	2.36	62	15722	20.152	ug/l	94
5) Bromomethane	2.75	94	10181	26.042	ug/l	89
6) Chloroethane	2.90	64	9103	20.795	ug/l	98
7) Trichlorofluoromethane	3.26	101	31676	20.825	ug/l	100
8) Diethyl Ether	3.68	74	9747	22.989	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18211	19.819	ug/l	99
10) Methyl Iodide	4.27	142	16514	21.098	ug/l	98
11) Tert butyl alcohol	5.15	59	9898	113.507	ug/l	96
12) 1,1-Dichloroethene	4.04	96	17161	19.929	ug/l	95
13) Acrolein	3.90	56	5948	101.379	ug/l	93
14) Allyl chloride	4.67	41	27722	20.085	ug/l	96
15) Acrylonitrile	5.37	53	19726	111.292	ug/l	100
16) Acetone	4.12	43	16328	82.372	ug/l	97
17) Carbon Disulfide	4.38	76	54049	19.042	ug/l	100
18) Methyl Acetate	4.67	43	10510	23.228	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	46090	22.734	ug/l	99
20) Methylene Chloride	4.92	84	24498	21.576	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	20460	21.279	ug/l	99
22) Diisopropyl ether	6.32	45	54508	21.999	ug/l	98
23) Vinyl Acetate	6.26	43	145525	107.638	ug/l	98
24) 1,1-Dichloroethane	6.22	63	34777	21.899	ug/l	98
25) 2-Butanone	7.17	43	22581	98.272	ug/l	98
26) 2,2-Dichloropropane	7.17	77	29481	19.317	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	23215	22.523	ug/l	99
28) Bromochloromethane	7.52	49	13282	23.194	ug/l	100
29) Tetrahydrofuran	7.53	42	14868	104.708	ug/l	99
30) Chloroform	7.68	83	36609	22.181	ug/l	96
31) Cyclohexane	7.95	56	31286	18.829	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	33769	21.741	ug/l	100
36) 1,1-Dichloropropene	8.09	75	28940	20.041	ug/l	98
37) Ethyl Acetate	7.26	43	10887	20.842	ug/l	97
38) Carbon Tetrachloride	8.07	117	28309	19.207	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35055	18.134	ug/l	95
40) Benzene	8.32	78	80819	20.410	ug/l	99
41) Methacrylonitrile	7.48	41	7005	22.389	ug/l	96
42) 1,2-Dichloroethane	8.40	62	24163	21.834	ug/l	99
43) Isopropyl Acetate	8.43	43	20676	20.380	ug/l	99
44) Trichloroethene	9.09	130	22853	20.531	ug/l	98
45) 1,2-Dichloropropane	9.37	63	19574	21.242	ug/l	94
46) Dibromomethane	9.46	93	10546	22.025	ug/l	97
47) Bromodichloromethane	9.65	83	27285	21.663	ug/l	99
48) Methyl methacrylate	9.44	41	10261	19.487	ug/l	95
49) 1,4-Dioxane	9.45	88	3734	446.402	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	49955	99.918	ug/l	100
52) Toluene	10.39	92	56867	20.645	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	25192	19.894	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	30178	20.335	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14733	21.631	ug/l	93
56) Ethyl methacrylate	10.65	69	17921	20.171	ug/l	95
57) 1,3-Dichloropropane	10.93	76	24496	21.303	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	43278	121.275	ug/l	99
59) 2-Hexanone	10.97	43	31800	87.741	ug/l	97
60) Dibromochloromethane	11.13	129	17952	21.445	ug/l	97
61) 1,2-Dibromoethane	11.24	107	13442	20.577	ug/l	100
64) Tetrachloroethene	10.87	164	20749	20.666	ug/l	91
65) Chlorobenzene	11.66	112	62283	20.293	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	20159	21.268	ug/l	99
67) Ethyl Benzene	11.74	91	108488	19.394	ug/l	98
68) m/p-Xylenes	11.84	106	85814	39.105	ug/l	98
69) o-Xylene	12.17	106	42379	20.670	ug/l	97
70) Styrene	12.18	104	67914	20.235	ug/l	99
71) Bromoform	12.35	173	9642	20.321	ug/l #	97
73) Isopropylbenzene	12.47	105	112076	20.209	ug/l	98
74) N-amyl acetate	12.27	43	19215	19.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	14897	20.683	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	12328m	23.349	ug/l	
77) Bromobenzene	12.75	156	25594	21.380	ug/l	95
78) n-propylbenzene	12.81	91	131065	19.836	ug/l	95
79) 2-Chlorotoluene	12.90	91	75527	20.242	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	91102	19.202	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	4614	18.835	ug/l	95
82) 4-Chlorotoluene	12.99	91	82394	20.758	ug/l	95
83) tert-Butylbenzene	13.21	119	83214	20.070	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	94081	19.426	ug/l	99
85) sec-Butylbenzene	13.39	105	113861	19.236	ug/l	98
86) p-Isopropyltoluene	13.51	119	105142	19.954	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	48732	19.830	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	48116	19.383	ug/l	97
89) n-Butylbenzene	13.83	91	90168	18.312	ug/l	99
90) Hexachloroethane	14.10	117	16009	19.938	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	44284	20.815	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2926	20.971	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27692	18.782	ug/l	98
94) Hexachlorobutadiene	15.24	225	15219	19.142	ug/l	99
95) Naphthalene	15.37	128	50991	19.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	23780	19.128	ug/l	97

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

