

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005899.D
 Acq On : 08 Oct 2018 16:51
 Operator : SY/AP
 Sample : J5164-02LOQ
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:26:28 PM

Quant Time: Oct 09 07:16:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	436814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	218308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141830	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	7.88	113	139840	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.33	98	543739	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.62	95	201272	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12364	8.34	ug/l	91
3) Chloromethane	2.21	50	17491	10.03	ug/l	99
4) Vinyl Chloride	2.37	62	27697	10.00	ug/l	99
5) Bromomethane	2.79	94	22442	10.27	ug/l	95
6) Chloroethane	2.93	64	18109	10.27	ug/l	92
7) Trichlorofluoromethane	3.26	101	21951	9.99	ug/l	96
8) Diethyl Ether	3.68	74	13433	9.93	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26836	9.68	ug/l	98
10) Methyl Iodide	4.27	142	42014	9.26	ug/l	100
11) Tert butyl alcohol	5.23	59	10023	46.56	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	24560	9.22	ug/l	95
13) Acrolein	3.90	56	9206	47.99	ug/l	91
14) Allyl chloride	4.67	41	40020	8.81	ug/l	100
15) Acrylonitrile	5.38	53	28489	48.40	ug/l	99
16) Acetone	4.14	43	32067	54.66	ug/l	100
17) Carbon Disulfide	4.37	76	69528	8.63	ug/l	100
18) Methyl Acetate	4.68	43	13965	9.43	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	40628	9.80	ug/l	97
20) Methylene Chloride	4.92	84	32555	11.08	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	27519	9.48	ug/l	93
22) Diisopropyl ether	6.31	45	77963	9.18	ug/l	95
23) Vinyl Acetate	6.26	43	245676	47.01	ug/l	99
24) 1,1-Dichloroethane	6.21	63	48175	9.27	ug/l	97
25) 2-Butanone	7.18	43	42383	50.79	ug/l	97
26) 2,2-Dichloropropane	7.16	77	36022	9.85	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	30921	9.42	ug/l	99
28) Bromochloromethane	7.51	49	18898	9.85	ug/l	98
29) Tetrahydrofuran	7.54	42	25376	48.10	ug/l	96
30) Chloroform	7.68	83	50679	9.50	ug/l	99
31) Cyclohexane	7.95	56	49659	9.66	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	45112	9.49	ug/l	97
36) 1,1-Dichloropropene	8.09	75	39173	9.36	ug/l	98
37) Ethyl Acetate	7.26	43	15321	8.64	ug/l #	90
38) Carbon Tetrachloride	8.07	117	43524	9.68	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	52735	9.55	ug/l	99
40) Benzene	8.32	78	110444	9.64	ug/l	99
41) Methacrylonitrile	7.49	41	11110	10.01	ug/l	98
42) 1,2-Dichloroethane	8.40	62	32768	9.47	ug/l	98
43) Isopropyl Acetate	8.43	43	35817	9.67	ug/l	100
44) Trichloroethene	9.09	130	32266	9.71	ug/l	100
45) 1,2-Dichloropropane	9.37	63	26879	9.37	ug/l	99
46) Dibromomethane	9.46	93	15201	9.65	ug/l	98
47) Bromodichloromethane	9.65	83	37611	9.48	ug/l	96
48) Methyl methacrylate	9.44	41	17104	9.70	ug/l	99
49) 1,4-Dioxane	9.47	88	4705	196.55	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	91029	50.49	ug/l	99
52) Toluene	10.39	92	72477	9.63	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	38845	9.37	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	43913	9.43	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	20984	9.61	ug/l	98
56) Ethyl methacrylate	10.65	69	28079	9.54	ug/l	98
57) 1,3-Dichloropropane	10.93	76	35228	9.59	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	58636	48.98	ug/l	100
59) 2-Hexanone	10.98	43	65238	50.46	ug/l	99
60) Dibromochloromethane	11.13	129	26858	9.53	ug/l	99
61) 1,2-Dibromoethane	11.24	107	21075	9.66	ug/l	98
64) Tetrachloroethene	10.87	164	27963	9.55	ug/l	99
65) Chlorobenzene	11.66	112	81547	9.68	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	30075	9.74	ug/l	98
67) Ethyl Benzene	11.73	91	143196	9.62	ug/l	100
68) m/p-Xylenes	11.84	106	110995	19.09	ug/l	100
69) o-Xylene	12.17	106	52569	9.44	ug/l	99
70) Styrene	12.18	104	88208	9.55	ug/l	99
71) Bromoform	12.35	173	17328	9.42	ug/l #	99
73) Isopropylbenzene	12.47	105	149658	9.39	ug/l	100
74) N-amyl acetate	12.27	43	35321	9.33	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	25399	9.72	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19372m	9.93	ug/l	
77) Bromobenzene	12.75	156	36886	9.77	ug/l	97
78) n-propylbenzene	12.81	91	178267	9.51	ug/l	99
79) 2-Chlorotoluene	12.90	91	98946	9.35	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	126726	9.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8391	9.08	ug/l	97
82) 4-Chlorotoluene	12.99	91	104567	9.39	ug/l	99
83) tert-Butylbenzene	13.21	119	114356	9.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	128343	9.45	ug/l	99
85) sec-Butylbenzene	13.39	105	160565	9.55	ug/l	99
86) p-Isopropyltoluene	13.51	119	144570	9.57	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	73504	9.79	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	73427	9.85	ug/l	98
89) n-Butylbenzene	13.83	91	136072	9.55	ug/l	99
90) Hexachloroethane	14.10	117	25411	8.94	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	64990	9.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4571	9.39	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	51249	9.92	ug/l	99
94) Hexachlorobutadiene	15.24	225	32290	10.01	ug/l	98
95) Naphthalene	15.38	128	89667	10.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	44203	9.88	ug/l	99

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

