

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005886.D
 Acq On : 08 Oct 2018 10:31
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:11:58 PM

Quant Time: Oct 09 02:04:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 01:57:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	388385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	568012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	515078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	274910	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	19431	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
35) Dibromofluoromethane	7.89	113	18503	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
50) Toluene-d8	10.33	98	69138	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
62) 4-Bromofluorobenzene	12.62	95	27260	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.02	85	9306	4.89	ug/l	98
3) Chloromethane	2.21	50	13260	5.92	ug/l	96
4) Vinyl Chloride	2.37	62	18467	5.20	ug/l	100
5) Bromomethane	2.79	94	14136	5.04	ug/l	92
6) Chloroethane	2.93	64	10946	4.83	ug/l	98
7) Trichlorofluoromethane	3.26	101	13545	4.80	ug/l	96
8) Diethyl Ether	3.68	74	9546	5.50	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	19033	5.35	ug/l	99
10) Methyl Iodide	4.27	142	30589	5.25	ug/l	98
11) Tert butyl alcohol	5.20	59	8484	30.70	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	18297	5.35	ug/l	96
13) Acrolein	3.90	56	6827	27.72	ug/l #	80
14) Allyl chloride	4.67	41	31927	5.48	ug/l	97
15) Acrylonitrile	5.38	53	19850	26.27	ug/l	96
16) Acetone	4.14	43	20891	27.74	ug/l	98
17) Carbon Disulfide	4.37	76	55942	5.41	ug/l	99
18) Methyl Acetate	4.68	43	10154	5.34	ug/l #	87
19) Methyl tert-butyl Ether	5.43	73	27652	5.20	ug/l	97
20) Methylene Chloride	4.92	84	23437	6.21	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	19082	5.12	ug/l	93
22) Diisopropyl ether	6.32	45	56109	5.15	ug/l	99
23) Vinyl Acetate	6.26	43	167647	24.99	ug/l	100
24) 1,1-Dichloroethane	6.21	63	34444	5.16	ug/l	99
25) 2-Butanone	7.18	43	28735	26.83	ug/l	94
26) 2,2-Dichloropropane	7.17	77	27311	5.82	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	21555	5.11	ug/l	94
28) Bromochloromethane	7.52	49	13938	5.66	ug/l #	98
29) Tetrahydrofuran	7.54	42	18689	27.60	ug/l	99
30) Chloroform	7.68	83	35000	5.11	ug/l	97
31) Cyclohexane	7.95	56	40554	6.14	ug/l #	90
32) 1,1,1-Trichloroethane	7.88	97	32210	5.28	ug/l	98
36) 1,1-Dichloropropene	8.09	75	28603	5.26	ug/l	98
37) Ethyl Acetate	7.26	43	11699	5.08	ug/l #	92
38) Carbon Tetrachloride	8.07	117	30274	5.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	37810	5.27	ug/l	97
40) Benzene	8.33	78	77314	5.19	ug/l	100
41) Methacrylonitrile	7.49	41	8298	5.75	ug/l	93
42) 1,2-Dichloroethane	8.40	62	23581	5.24	ug/l	98
43) Isopropyl Acetate	8.43	43	24680	5.13	ug/l	99
44) Trichloroethene	9.09	130	21818	5.05	ug/l	97
45) 1,2-Dichloropropane	9.37	63	19346	5.19	ug/l	96
46) Dibromomethane	9.46	93	10622	5.18	ug/l	97
47) Bromodichloromethane	9.65	83	26019	5.05	ug/l	99
48) Methyl methacrylate	9.44	41	11820	5.15	ug/l	99
49) 1,4-Dioxane	9.46	88	3163	101.61	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	59135	25.22	ug/l	99
52) Toluene	10.39	92	50068	5.12	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	27176	5.04	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	31095	5.13	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	15301	5.39	ug/l	97
56) Ethyl methacrylate	10.65	69	19695	5.15	ug/l	97
57) 1,3-Dichloropropane	10.93	76	24740	5.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	43591	28.00	ug/l	100
59) 2-Hexanone	10.98	43	42168	25.08	ug/l	97
60) Dibromochloromethane	11.13	129	18201	4.97	ug/l	98
61) 1,2-Dibromoethane	11.24	107	14486	5.11	ug/l	96
64) Tetrachloroethene	10.87	164	20283	5.29	ug/l	99
65) Chlorobenzene	11.66	112	56635	5.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	19822	4.90	ug/l	97
67) Ethyl Benzene	11.74	91	100072	5.14	ug/l	98
68) m/p-Xylenes	11.84	106	77631	10.19	ug/l	98
69) o-Xylene	12.17	106	37078	5.09	ug/l	99
70) Styrene	12.18	104	60906	5.03	ug/l	100
71) Bromoform	12.35	173	11823	4.91	ug/l #	100
73) Isopropylbenzene	12.47	105	103077	5.13	ug/l	100
74) N-amyl acetate	12.28	43	24278	5.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16907	5.14	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	10655m	2.53	ug/l	
77) Bromobenzene	12.75	156	23923	5.03	ug/l	96
78) n-propylbenzene	12.81	91	123372	5.22	ug/l	100
79) 2-Chlorotoluene	12.90	91	69100	5.18	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	87240	5.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6119	5.26	ug/l	97
82) 4-Chlorotoluene	12.99	91	71847	5.12	ug/l	100
83) tert-Butylbenzene	13.21	119	76027	5.04	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	87777	5.13	ug/l	98
85) sec-Butylbenzene	13.39	105	108162	5.11	ug/l	100
86) p-Isopropyltoluene	13.51	119	97189	5.11	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	47978	5.08	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	47938	5.10	ug/l	93
89) n-Butylbenzene	13.83	91	92500	5.16	ug/l	100
90) Hexachloroethane	14.10	117	18443	5.15	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	42913	5.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3236	5.28	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	33605	5.17	ug/l	98
94) Hexachlorobutadiene	15.24	225	20288	5.00	ug/l	99
95) Naphthalene	15.38	128	56772	5.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	28388	5.04	ug/l	100

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

