

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\
 Data File : VW005054.D
 Acq On : 31 Aug 2018 23:48
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/4/2018 9:36:47 AM

Quant Time: Sep 01 03:17:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	433647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	645676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	645027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	351460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	21146	6.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.88%	
35) Dibromofluoromethane	7.89	113	20079	6.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.22%	
50) Toluene-d8	10.33	98	86439	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
62) 4-Bromofluorobenzene	12.62	95	30688	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	19471	5.22	ug/l	99
3) Chloromethane	2.22	50	28489	5.34	ug/l	94
4) Vinyl Chloride	2.36	62	27149	5.12	ug/l	97
5) Bromomethane	2.77	94	21856	6.26	ug/l	98
6) Chloroethane	2.92	64	17199	5.43	ug/l	93
7) Trichlorofluoromethane	3.27	101	31315	5.69	ug/l	87
8) Diethyl Ether	3.70	74	10858	6.65	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22173	6.41	ug/l	99
10) Methyl Iodide	4.28	142	17556	3.70	ug/l	97
11) Tert butyl alcohol	5.17	59	8687	39.15	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	18519	5.75	ug/l	94
13) Acrolein	3.90	56	6455	26.15	ug/l	100
14) Allyl chloride	4.68	41	27389	5.50	ug/l	98
15) Acrylonitrile	5.39	53	21835	27.08	ug/l	98
16) Acetone	4.14	43	20767	30.56	ug/l	93
17) Carbon Disulfide	4.39	76	63856	4.85	ug/l	97
18) Methyl Acetate	4.68	43	12968	7.66	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	41082	5.80	ug/l	99
20) Methylene Chloride	4.93	84	45977	8.09	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	22720	6.37	ug/l	97
22) Diisopropyl ether	6.32	45	52033	5.10	ug/l	97
23) Vinyl Acetate	6.26	43	134492	25.62	ug/l	99
24) 1,1-Dichloroethane	6.23	63	39247	6.32	ug/l	98
25) 2-Butanone	7.18	43	35186	32.76	ug/l	94
26) 2,2-Dichloropropane	7.18	77	36846	6.84	ug/l	93
27) cis-1,2-Dichloroethene	7.18	96	24877	6.37	ug/l	92
28) Bromochloromethane	7.53	49	15962	5.98	ug/l	99
29) Tetrahydrofuran	7.54	42	16205	29.57	ug/l	95
30) Chloroform	7.68	83	40649	6.60	ug/l	99
31) Cyclohexane	7.96	56	40388	6.25	ug/l #	81
32) 1,1,1-Trichloroethane	7.88	97	35741	6.38	ug/l	98
36) 1,1-Dichloropropene	8.09	75	31583	5.68	ug/l	99
37) Ethyl Acetate	7.26	43	11929	5.86	ug/l	98
38) Carbon Tetrachloride	8.07	117	32379	5.99	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	34703	4.57	ug/l	90
40) Benzene	8.33	78	96349	5.43	ug/l	98
41) Methacrylonitrile	7.49	41	6000	5.00	ug/l #	65
42) 1,2-Dichloroethane	8.41	62	25960	6.44	ug/l	99
43) Isopropyl Acetate	8.43	43	20091	5.04	ug/l	96
44) Trichloroethene	9.10	130	27059	5.92	ug/l	97
45) 1,2-Dichloropropane	9.37	63	24432	5.97	ug/l	97
46) Dibromomethane	9.46	93	11762	6.01	ug/l	97
47) Bromodichloromethane	9.65	83	30011	6.19	ug/l	99
48) Methyl methacrylate	9.45	41	8639	4.18	ug/l	96
49) 1,4-Dioxane	9.47	88	3507	88.81	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	64883	22.05	ug/l	98
52) Toluene	10.40	92	62096	4.73	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	25672	5.06	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	31410	5.27	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	18184	5.75	ug/l	99
56) Ethyl methacrylate	10.65	69	16565	4.06	ug/l	94
57) 1,3-Dichloropropane	10.94	76	28702	5.54	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	39599	22.30	ug/l	99
59) 2-Hexanone	10.98	43	43303	20.47	ug/l	96
60) Dibromochloromethane	11.13	129	19481	5.62	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15742	5.36	ug/l	99
64) Tetrachloroethene	10.87	164	26561	5.57	ug/l	97
65) Chlorobenzene	11.66	112	74099	5.18	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	22577	5.70	ug/l	98
67) Ethyl Benzene	11.74	91	114904	4.69	ug/l	100
68) m/p-Xylenes	11.85	106	90221	9.06	ug/l	99
69) o-Xylene	12.17	106	41714	4.59	ug/l	97
70) Styrene	12.19	104	65576	4.35	ug/l	99
71) Bromoform	12.35	173	11563	5.28	ug/l #	99
73) Isopropylbenzene	12.47	105	106545	4.47	ug/l	99
74) N-amyl acetate	12.28	43	18249	4.13	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	19089	5.33	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13210m	5.25	ug/l	
77) Bromobenzene	12.75	156	29695	5.08	ug/l	98
78) n-propylbenzene	12.81	91	132013	4.50	ug/l	100
79) 2-Chlorotoluene	12.90	91	80979	4.78	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	94190	4.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5227	4.76	ug/l	96
82) 4-Chlorotoluene	12.99	91	87020	4.83	ug/l	99
83) tert-Butylbenzene	13.21	119	77320	4.38	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	95428	4.47	ug/l	99
85) sec-Butylbenzene	13.39	105	117880	4.56	ug/l	99
86) p-Isopropyltoluene	13.51	119	100053	4.32	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	64209	5.21	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	65742	5.39	ug/l	96
89) n-Butylbenzene	13.83	91	97417	4.49	ug/l	98
90) Hexachloroethane	14.10	117	18347	5.02	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	56134	5.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3312	5.40	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	36069	4.77	ug/l	99
94) Hexachlorobutadiene	15.24	225	23479	4.97	ug/l	99
95) Naphthalene	15.38	128	49021	3.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	31322	4.71	ug/l	98

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

