

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046787.D
 Acq On : 18 Sep 2015 17:27
 Operator : FY/SY
 Sample : VD0918SBS01
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:18 AM

Quant Time: Sep 18 19:47:00 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	201635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	256663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	247071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	130107	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	98629	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	6.22	113	98888	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	9.63	98	324066	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.85	95	130637	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.43	85	43148	20.89	ug/l	94
3) Chlorodifluoromethane	1.44	51	35713	20.03	ug/l #	93
4) Chloromethane	1.58	50	24378	20.51	ug/l	99
5) Vinyl Chloride	1.68	62	23722	21.25	ug/l	99
6) Bromomethane	1.98	94	23917	22.48	ug/l	99
7) Chloroethane	2.09	64	13724	19.64	ug/l	98
8) Trichlorofluoromethane	2.33	101	66599	20.17	ug/l	97
9) Diethyl Ether	2.64	74	12207	20.85	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	2.89	101	41820	20.24	ug/l	98
11) Methyl Iodide	3.05	142	38913	17.30	ug/l	97
12) Tert butyl alcohol	3.66	59	10406m	125.94	ug/l	
13) 1,1-Dichloroethene	2.88	96	33225	20.57	ug/l	96
14) Acrolein	2.79	56	11454	106.95	ug/l	84
15) Allyl chloride	3.34	41	65872	20.08	ug/l	89
16) Acrylonitrile	3.85	53	25178	102.86	ug/l	98
17) Acetone	2.95	43	36472	102.96	ug/l	94
18) Carbon Disulfide	3.14	76	121398	20.06	ug/l	98
19) Methyl Acetate	3.35	43	43454	21.18	ug/l #	92
20) Methyl tert-butyl Ether	3.91	73	52943	20.92	ug/l	93
21) Methylene Chloride	3.52	84	41348	21.50	ug/l	93
22) trans-1,2-Dichloroethene	3.90	96	37925	20.82	ug/l	94
23) Diisopropyl ether	4.66	45	113156	20.78	ug/l #	93
24) Vinyl Acetate	4.61	43	103091m	90.92	ug/l	
25) 1,1-Dichloroethane	4.57	63	66675	19.88	ug/l	99
26) 2-Butanone	5.46	43	41522	104.30	ug/l	99
27) 2,2-Dichloropropane	5.44	77	67292	19.53	ug/l	99
28) cis-1,2-Dichloroethene	5.44	96	40054	21.12	ug/l	89
29) Bromochloromethane	5.80	49	27904	21.11	ug/l	88
30) Chloroform	5.98	83	82724	20.33	ug/l	100
31) Cyclohexane	6.29	56	62551	19.88	ug/l	88
32) 1,1,1-Trichloroethane	6.19	97	71958	19.86	ug/l	99
36) 1,1-Dichloropropene	6.44	75	60708	20.24	ug/l	98
37) Ethyl Acetate	5.56	43	20548	21.33	ug/l #	94
38) Carbon Tetrachloride	6.42	117	62344	20.00	ug/l	96

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046787.D
 Acq On : 18 Sep 2015 17:27
 Operator : FY/SY
 Sample : VD0918SBS01
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:18 AM

Quant Time: Sep 18 19:47:00 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	61467	20.22	ug/l	97
40) Benzene	6.73	78	154934	20.23	ug/l	94
41) Methacrylonitrile	5.76	41	10725	19.85	ug/l #	91
42) 1,2-Dichloroethane	6.84	62	49403	20.77	ug/l	96
43) Isopropyl Acetate	8.42	43	26593	20.94	ug/l #	97
44) Trichloroethene	7.75	130	39234	20.47	ug/l	100
45) 1,2-Dichloropropane	8.15	63	37944	20.00	ug/l	94
46) Dibromomethane	8.28	93	22061	20.48	ug/l	94
47) Bromodichloromethane	8.57	83	58454	20.68	ug/l	99
48) Methyl methacrylate	8.09	41	39453	20.32	ug/l	90
49) 1,4-Dioxane	8.31	88	2957	411.66	ug/l	99
51) 4-Methyl-2-Pentanone	9.49	43	95559	104.13	ug/l	94
52) Toluene	9.73	92	100096	21.19	ug/l	98
53) t-1,3-Dichloropropene	10.13	75	43851	21.01	ug/l	94
54) cis-1,3-Dichloropropene	9.24	75	56615	21.06	ug/l	96
55) 1,1,2-Trichloroethane	10.41	97	25677	21.00	ug/l	97
56) Ethyl methacrylate	10.25	69	21106	19.22	ug/l	99
57) 1,3-Dichloropropane	10.61	76	45893	20.18	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.04	63	59478	102.47	ug/l	98
59) 2-Hexanone	10.71	43	69965	105.52	ug/l	95
60) Dibromochloromethane	10.89	129	33723	20.09	ug/l	99
61) 1,2-Dibromoethane	11.03	107	24572	20.35	ug/l	95
64) Tetrachloroethene	10.47	164	39477	19.79	ug/l	96
65) Chlorobenzene	11.61	112	103487	19.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	37341	19.55	ug/l	98
67) Ethyl Benzene	11.74	91	212649	20.35	ug/l	99
68) m/p-Xylenes	11.88	106	135823	41.22	ug/l	92
69) o-Xylene	12.30	106	60776	20.49	ug/l	97
70) Styrene	12.32	104	110712	21.53	ug/l	96
71) Bromoform	12.51	173	20176	19.83	ug/l #	96
73) Isopropylbenzene	12.67	105	187568	20.45	ug/l	98
74) N-amyl acetate	12.51	43	39089	20.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.99	83	30686	20.73	ug/l	94
76) 1,2,3-Trichloropropane	13.04	75	31797	20.08	ug/l	98
77) Bromobenzene	12.98	156	46772	20.28	ug/l	83
78) n-propylbenzene	13.08	91	269294	20.79	ug/l	96
79) 2-Chlorotoluene	13.17	91	147722	20.54	ug/l	100
80) 1,3,5-Trimethylbenzene	13.25	105	154721	21.17	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.74	75	7825	20.37	ug/l #	85
82) 4-Chlorotoluene	13.27	91	176773	20.65	ug/l	94
83) tert-Butylbenzene	13.54	119	134475m	20.41	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	151171	20.55	ug/l	96
85) sec-Butylbenzene	13.74	105	202848	20.94	ug/l	95
86) p-Isopropyltoluene	13.88	119	161898	21.27	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	86561	20.12	ug/l	97
88) 1,4-Dichlorobenzene	13.94	146	88348	20.65	ug/l	99
89) n-Butylbenzene	14.22	91	178925	20.82	ug/l	96
90) Hexachloroethane	14.49	117	34670	19.64	ug/l	94
91) 1,2-Dichlorobenzene	14.24	146	74631	20.64	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3814	20.05	ug/l	88

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
Data File : VD046787.D
Acq On : 18 Sep 2015 17:27
Operator : FY/SY
Sample : VD0918SBSD01
Misc : 5.00gm/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBSD01

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:39:18 AM

Quant Time: Sep 18 19:47:00 2015
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	44548	21.40	ug/l	94
94) Hexachlorobutadiene	15.69	225	34200	19.96	ug/l	93
95) Naphthalene	15.83	128	52643	20.58	ug/l	98
96) 1,2,3-Trichlorobenzene	16.02	180	36311	20.88	ug/l	96

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

