

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059835.D
 Acq On : 20 Aug 2018 17:18
 Operator : JC/SY
 Sample : VD0820SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:24:56 AM

Quant Time: Aug 21 07:14:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	1064575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1482526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1217498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	598405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.96	65	436259	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.40%		
35) Dibromofluoromethane	5.50	113	589760	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.56%		
50) Toluene-d8	8.66	98	1597252	54.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.04%		
62) 4-Bromofluorobenzene	11.91	95	617799	54.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.90%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	173012	18.87	ug/l	96
3) Chloromethane	1.46	50	138778	17.87	ug/l	99
4) Vinyl Chloride	1.53	62	113975	18.31	ug/l	97
5) Bromomethane	1.76	94	10274	12.56	ug/l #	79
6) Chloroethane	1.84	64	22891	16.25	ug/l	91
7) Trichlorofluoromethane	2.05	101	113454	18.10	ug/l	100
8) Diethyl Ether	2.31	74	25839	18.45	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.51	101	81401	20.42	ug/l	98
10) Methyl Iodide	2.66	142	71576	16.08	ug/l	97
11) Tert butyl alcohol	3.23	59	31244	99.20	ug/l	97
12) 1,1-Dichloroethene	2.51	96	61548	18.85	ug/l	94
13) Acrolein	2.43	56	22677	71.07	ug/l	97
14) Allyl chloride	2.87	41	159653	19.15	ug/l	96
15) Acrylonitrile	3.31	53	142366	97.66	ug/l	98
16) Acetone	2.58	43	135662	95.00	ug/l	97
17) Carbon Disulfide	2.72	76	172776	15.94	ug/l	99
18) Methyl Acetate	2.89	43	55496	17.84	ug/l	96
19) Methyl tert-butyl Ether	3.36	73	370919	20.13	ug/l	99
20) Methylene Chloride	3.03	84	78400	16.10	ug/l	93
21) trans-1,2-Dichloroethene	3.34	96	152049	16.53	ug/l	97
22) Diisopropyl ether	4.03	45	865105	20.32	ug/l	95
23) Vinyl Acetate	3.97	43	2518020	110.10	ug/l	100
24) 1,1-Dichloroethane	3.92	63	374809	20.02	ug/l	99
25) 2-Butanone	4.78	43	436727	101.18	ug/l	97
26) 2,2-Dichloropropane	4.74	77	296951	20.21	ug/l	96
27) cis-1,2-Dichloroethene	4.75	96	229452	20.59	ug/l	98
28) Bromochloromethane	5.10	49	193003	20.34	ug/l	97
29) Tetrahydrofuran	5.14	42	233374	106.78	ug/l	100
30) Chloroform	5.28	83	377979	20.46	ug/l	100
31) Cyclohexane	5.54	56	306996	17.46	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	316171	20.31	ug/l	99
36) 1,1-Dichloropropene	5.70	75	256640	20.41	ug/l	98
37) Ethyl Acetate	4.87	43	197546	21.20	ug/l	99
38) Carbon Tetrachloride	5.67	117	260574	20.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	272702	20.28	ug/l	98
40) Benzene	5.96	78	683718	20.99	ug/l	100
41) Methacrylonitrile	5.08	41	97848	20.49	ug/l	98
42) 1,2-Dichloroethane	6.08	62	223870	21.11	ug/l	99
43) Isopropyl Acetate	7.58	43	278186	21.58	ug/l #	98
44) Trichloroethene	6.94	130	206393	21.30	ug/l	96
45) 1,2-Dichloropropane	7.30	63	201508	21.07	ug/l	98
46) Dibromomethane	7.41	93	128566	21.59	ug/l	95
47) Bromodichloromethane	7.70	83	280459	21.33	ug/l	99
48) Methyl methacrylate	7.46	41	153451	21.58	ug/l	97
49) 1,4-Dioxane	7.44	88	28217	468.97	ug/l	98
51) 4-Methyl-2-Pentanone	8.55	43	903595	104.84	ug/l	99
52) Toluene	8.76	92	444798	21.59	ug/l	98
53) t-1,3-Dichloropropene	9.14	75	259286	21.65	ug/l	100
54) cis-1,3-Dichloropropene	8.32	75	304754	21.25	ug/l	96
55) 1,1,2-Trichloroethane	9.41	97	163388	21.97	ug/l	97
56) Ethyl methacrylate	9.27	69	187331	21.85	ug/l	91
57) 1,3-Dichloropropane	9.62	76	234921	21.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.15	63	504505	100.72	ug/l	96
59) 2-Hexanone	9.74	43	674240	105.84	ug/l	98
60) Dibromochloromethane	9.92	129	208966	21.82	ug/l	100
61) 1,2-Dibromoethane	10.06	107	168746	21.24	ug/l	99
64) Tetrachloroethene	9.47	164	185139	20.77	ug/l	97
65) Chlorobenzene	10.69	112	523447	22.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.82	131	185988	23.21	ug/l	95
67) Ethyl Benzene	10.83	91	857684	20.43	ug/l	98
68) m/p-Xylenes	10.98	106	621934	40.35	ug/l	99
69) o-Xylene	11.38	106	305614	22.46	ug/l	99
70) Styrene	11.41	104	534252	22.55	ug/l	98
71) Bromoform	11.57	173	157547	21.88	ug/l	99
73) Isopropylbenzene	11.75	105	861547	21.13	ug/l	99
74) N-amyl acetate	11.62	43	369882	20.26	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	197906	20.59	ug/l	98
76) 1,2,3-Trichloropropane	12.08	75	197178	19.92	ug/l	98
77) Bromobenzene	12.02	156	235311	20.76	ug/l	87
78) n-propylbenzene	12.12	91	1051115	20.75	ug/l	95
79) 2-Chlorotoluene	12.19	91	582335	19.97	ug/l	97
80) 1,3,5-Trimethylbenzene	12.29	105	670429	20.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	60715	19.62	ug/l	91
82) 4-Chlorotoluene	12.30	91	673575	20.43	ug/l	94
83) tert-Butylbenzene	12.55	119	683738m	21.25	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	716031	21.34	ug/l	97
85) sec-Butylbenzene	12.73	105	879497	20.61	ug/l	97
86) p-Isopropyltoluene	12.86	119	732830	21.90	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	421446	22.09	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	416840	22.04	ug/l	97
89) n-Butylbenzene	13.17	91	747707	20.72	ug/l	98
90) Hexachloroethane	13.37	117	196422	20.57	ug/l	79
91) 1,2-Dichlorobenzene	13.17	146	358395	21.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.75	75	27249	19.04	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	301507	22.01	µg/l	98
94) Hexachlorobutadiene	14.41	225	193971	21.04	µg/l	98
95) Naphthalene	14.50	128	455766	20.36	µg/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	264913	22.06	µg/l	98

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

