

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060095.D
 Acq On : 28 Sep 2018 14:06
 Operator : VA/AP
 Sample : VD0928SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

apatel
 10/1/2018 3:59:00 PM

Quant Time: Sep 28 23:32:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1533606	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2062866	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1746007	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	907708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	615145	51.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	6.32	113	839595	52.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	9.45	98	2337030	52.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.42	95	909453	53.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	274957	16.985	ug/l	99
3) Chloromethane	1.75	50	293198	20.504	ug/l	100
4) Vinyl Chloride	1.84	62	242925	21.132	ug/l	97
5) Bromomethane	2.13	94	20766	15.261	ug/l	91
6) Chloroethane	2.24	64	54657	21.267	ug/l	98
7) Trichlorofluoromethane	2.49	101	265082	20.945	ug/l	97
8) Diethyl Ether	2.82	74	58711	21.823	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.08	101	178314	22.344	ug/l	97
10) Methyl Iodide	3.23	142	167465	19.813	ug/l	94
11) Tert butyl alcohol	3.97	59	82440	85.428	ug/l	97
12) 1,1-Dichloroethene	3.06	96	142807	22.631	ug/l	90
13) Acrolein	2.98	56	43498	72.787	ug/l	96
14) Allyl chloride	3.53	41	282059	21.195	ug/l	97
15) Acrylonitrile	4.08	53	376441	103.342	ug/l	96
16) Acetone	3.15	43	281370	121.856	ug/l	99
17) Carbon Disulfide	3.30	76	447958	20.604	ug/l	98
18) Methyl Acetate	3.55	43	97832	20.833	ug/l #	92
19) Methyl tert-butyl Ether	4.12	73	601136	20.618	ug/l	99
20) Methylene Chloride	3.70	84	388273	19.191	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	336286	20.308	ug/l	96
22) Diisopropyl ether	4.84	45	1283949	21.151	ug/l	96
23) Vinyl Acetate	4.80	43	3690212	107.307	ug/l	100
24) 1,1-Dichloroethane	4.75	63	577827	21.212	ug/l	100
25) 2-Butanone	5.61	43	726273	116.560	ug/l	99
26) 2,2-Dichloropropane	5.58	77	439129	20.735	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	361299	20.859	ug/l	98
28) Bromochloromethane	5.92	49	288057	21.999	ug/l	96
29) Tetrahydrofuran	5.95	42	328065	98.177	ug/l	99
30) Chloroform	6.09	83	583013	21.104	ug/l	99
31) Cyclohexane	6.36	56	506124	19.056	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	473649	20.673	ug/l	99
36) 1,1-Dichloropropene	6.52	75	430428	21.005	ug/l	100
37) Ethyl Acetate	5.69	43	290973	20.649	ug/l	97
38) Carbon Tetrachloride	6.49	117	393441	20.568	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	478278	20.633	ug/l	98
40) Benzene	6.79	78	1134100	21.715	ug/l	100
41) Methacrylonitrile	5.92	41	151669m	20.550	ug/l	
42) 1,2-Dichloroethane	6.89	62	323501	20.629	ug/l	97
43) Isopropyl Acetate	8.35	43	384063	20.356	ug/l #	99
44) Trichloroethene	7.74	130	349600	21.665	ug/l	98
45) 1,2-Dichloropropane	8.10	63	287409	20.580	ug/l	100
46) Dibromomethane	8.21	93	190706	20.929	ug/l	98
47) Bromodichloromethane	8.49	83	412129	20.978	ug/l	99
48) Methyl methacrylate	8.24	41	210952	20.076	ug/l	100
49) 1,4-Dioxane	8.22	88	41568	398.284	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	1540397	112.192	ug/l	97
52) Toluene	9.55	92	725918	21.684	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	386490	21.093	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	462149	21.110	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	241590	20.785	ug/l	94
56) Ethyl methacrylate	10.03	69	267047	20.714	ug/l	99
57) 1,3-Dichloropropane	10.39	76	372419	21.706	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	697437	112.028	ug/l	100
59) 2-Hexanone	10.48	43	1126391	114.237	ug/l	98
60) Dibromochloromethane	10.64	129	296168	20.935	ug/l	98
61) 1,2-Dibromoethane	10.76	107	248377	20.697	ug/l	96
64) Tetrachloroethene	10.25	164	305175	19.810	ug/l	98
65) Chlorobenzene	11.31	112	807089	21.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	274879	21.711	ug/l	99
67) Ethyl Benzene	11.43	91	1353745	22.409	ug/l	100
68) m/p-Xylenes	11.57	106	1032098	46.260	ug/l	97
69) o-Xylene	11.93	106	473967	21.440	ug/l	97
70) Styrene	11.96	104	809349	21.774	ug/l	100
71) Bromoform	12.12	173	210087	19.313	ug/l	100
73) Isopropylbenzene	12.27	105	1338546	22.485	ug/l	99
74) N-amyl acetate	12.14	43	485198	20.576	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	283605	21.000	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	290132	20.928	ug/l	100
77) Bromobenzene	12.54	156	376068	21.930	ug/l	99
78) n-propylbenzene	12.64	91	1688804	22.559	ug/l	99
79) 2-Chlorotoluene	12.71	91	914115	21.634	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	1026375	22.494	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	75876	18.131	ug/l	94
82) 4-Chlorotoluene	12.81	91	1062973	22.882	ug/l	100
83) tert-Butylbenzene	13.04	119	1189422	22.501	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1075575	22.089	ug/l	99
85) sec-Butylbenzene	13.22	105	1392089	22.185	ug/l	100
86) p-Isopropyltoluene	13.34	119	1138539	22.434	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	650066	21.799	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	672617	22.238	ug/l	95
89) n-Butylbenzene	13.64	91	1175880	21.601	ug/l	96
90) Hexachloroethane	13.86	117	260286	20.707	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	578764	21.062	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37085	18.013	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	455792	21.448	ug/l	97
94) Hexachlorobutadiene	14.88	225	312225	22.211	ug/l	98
95) Naphthalene	14.97	128	681853	20.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	385859	20.604	ug/l	97

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

