

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059695.D
 Acq On : 6 Aug 2018 16:01
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD080618

Quant Time: Aug 07 05:11:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	210504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	262025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	214177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	118503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	139305	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	5.53	113	130953	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
50) Toluene-d8	8.69	98	274558	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
62) 4-Bromofluorobenzene	11.92	95	127749	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	151168	51.16	ug/l	97
3) Chloromethane	1.46	50	65500	49.75	ug/l	98
4) Vinyl Chloride	1.54	62	81981	53.33	ug/l	100
5) Bromomethane	1.78	94	30357	60.01	ug/l	98
6) Chloroethane	1.87	64	36736	58.80	ug/l	96
7) Trichlorofluoromethane	2.07	101	131047	52.30	ug/l	95
8) Diethyl Ether	2.33	74	24162	52.64	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.54	101	72858	51.48	ug/l	95
10) Methyl Iodide	2.67	142	86251	49.20	ug/l	98
11) Tert butyl alcohol	3.25	59	22555	228.91	ug/l	99
12) 1,1-Dichloroethene	2.53	96	54140	52.36	ug/l	95
13) Acrolein	2.46	56	22956	248.05	ug/l	96
14) Allyl chloride	2.90	41	119908	50.68	ug/l	97
15) Acrylonitrile	3.33	53	71524	261.71	ug/l	96
16) Acetone	2.60	43	136669	268.68	ug/l	100
17) Carbon Disulfide	2.73	76	201188	53.86	ug/l	97
18) Methyl Acetate	2.92	43	42717	47.46	ug/l	# 91
19) Methyl tert-butyl Ether	3.38	73	212544	53.87	ug/l	95
20) Methylene Chloride	3.05	84	76610	57.18	ug/l	94
21) trans-1,2-Dichloroethene	3.36	96	72660	50.54	ug/l	98
22) Diisopropyl ether	4.05	45	277399	49.84	ug/l	99
23) Vinyl Acetate	4.00	43	860475	243.88	ug/l	97
24) 1,1-Dichloroethane	3.95	63	182286	49.49	ug/l	99
25) 2-Butanone	4.82	43	185322	277.39	ug/l	99
26) 2,2-Dichloropropane	4.78	77	199079	50.61	ug/l	97
27) cis-1,2-Dichloroethene	4.78	96	96784	49.25	ug/l	89
28) Bromochloromethane	5.12	49	73313	53.91	ug/l	# 87
29) Tetrahydrofuran	5.16	42	66338	256.39	ug/l	97
30) Chloroform	5.30	83	225959	50.33	ug/l	99
31) Cyclohexane	5.57	56	120489	49.86	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	214693	49.16	ug/l	99
36) 1,1-Dichloropropene	5.72	75	148876	51.11	ug/l	96
37) Ethyl Acetate	4.91	43	72298	51.12	ug/l	96
38) Carbon Tetrachloride	5.70	117	199236	51.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	129821	52.73	ug/l	99
40) Benzene	6.00	78	258291	45.72	ug/l	100
41) Methacrylonitrile	5.10	41	34448	52.09	ug/l	95
42) 1,2-Dichloroethane	6.11	62	174407	49.94	ug/l	97
43) Isopropyl Acetate	7.60	43	93168	50.40	ug/l	98
44) Trichloroethene	6.96	130	107030	51.85	ug/l	97
45) 1,2-Dichloropropane	7.33	63	74205	49.74	ug/l	96
46) Dibromomethane	7.45	93	68055	52.64	ug/l	99
47) Bromodichloromethane	7.72	83	168789	51.26	ug/l	99
48) Methyl methacrylate	7.49	41	66927	54.85	ug/l	99
49) 1,4-Dioxane	7.49	88	11200	1050.14	ug/l #	90
51) 4-Methyl-2-Pentanone	8.59	43	369848	274.32	ug/l	100
52) Toluene	8.78	92	177594	49.28	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	140836	50.56	ug/l	95
54) cis-1,3-Dichloropropene	8.35	75	142775	49.76	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	66077	47.74	ug/l	95
56) Ethyl methacrylate	9.30	69	73754	48.29	ug/l	94
57) 1,3-Dichloropropane	9.65	76	107286	49.95	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.17	63	185463	254.89	ug/l	99
59) 2-Hexanone	9.78	43	285250	281.75	ug/l	97
60) Dibromochloromethane	9.94	129	113450	51.58	ug/l	95
61) 1,2-Dibromoethane	10.08	107	79568	49.99	ug/l	92
64) Tetrachloroethene	9.50	164	98263	48.46	ug/l	98
65) Chlorobenzene	10.71	112	212601	47.11	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	97987	49.52	ug/l	97
67) Ethyl Benzene	10.85	91	394345	48.51	ug/l	99
68) m/p-Xylenes	11.01	106	244677	94.10	ug/l	97
69) o-Xylene	11.39	106	119276	47.18	ug/l	99
70) Styrene	11.42	104	198883	46.87	ug/l	97
71) Bromoform	11.60	173	78282	52.51	ug/l	96
73) Isopropylbenzene	11.76	105	367540	46.15	ug/l	98
74) N-amyl acetate	11.64	43	126587	49.68	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	76565	47.91	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	90607	49.46	ug/l	98
77) Bromobenzene	12.03	156	109424	47.14	ug/l	97
78) n-propylbenzene	12.15	91	472889	47.91	ug/l	100
79) 2-Chlorotoluene	12.21	91	282146	47.34	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	302890	45.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	23804	53.24	ug/l	94
82) 4-Chlorotoluene	12.32	91	303946	43.56	ug/l	95
83) tert-Butylbenzene	12.57	119	346228	46.63	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	329202	46.83	ug/l	97
85) sec-Butylbenzene	12.75	105	394644	47.86	ug/l	99
86) p-Isopropyltoluene	12.88	119	329821	46.90	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	192553	48.06	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	186797	46.74	ug/l	93
89) n-Butylbenzene	13.19	91	345458	48.45	ug/l	99
90) Hexachloroethane	13.40	117	91944	50.45	ug/l	94
91) 1,2-Dichlorobenzene	13.18	146	154043	45.66	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.76	75	17951	53.78	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	142579	46.98	ug/l	97
94) Hexachlorobutadiene	14.43	225	116138	49.34	ug/l	99
95) Naphthalene	14.51	128	206605	45.96	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	126764	47.75	ug/l	98

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

