

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059999.D
 Acq On : 13 Sep 2018 16:15
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD091318

Manual Integrations
 APPROVED

apatel
 9/14/2018 10:58:04 AM

Quant Time: Sep 13 16:50:38 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	6.38	168	1656734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2258438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1800231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	962465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	631185	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	6.30	113	871198	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	9.44	98	2489933	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.42	95	934386	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	899899m	51.46	ug/l	
3) Chloromethane	1.74	50	804612	52.09	ug/l	99
4) Vinyl Chloride	1.84	62	636028	51.22	ug/l	100
5) Bromomethane	2.12	94	117212	79.74	ug/l	97
6) Chloroethane	2.23	64	199859	71.99	ug/l	99
7) Trichlorofluoromethane	2.49	101	757907	55.43	ug/l	97
8) Diethyl Ether	2.80	74	156395	53.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	453965	52.66	ug/l	98
10) Methyl Iodide	3.22	142	457923	50.15	ug/l	96
11) Tert butyl alcohol	3.94	59	245568	235.56	ug/l	99
12) 1,1-Dichloroethene	3.05	96	364007	53.40	ug/l	98
13) Acrolein	2.96	56	142287	220.40	ug/l	97
14) Allyl chloride	3.51	41	764620	53.19	ug/l	98
15) Acrylonitrile	4.06	53	984683	250.23	ug/l	98
16) Acetone	3.14	43	625310	250.68	ug/l	99
17) Carbon Disulfide	3.29	76	1268807	54.02	ug/l	98
18) Methyl Acetate	3.53	43	257761	50.81	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1583523	50.28	ug/l	100
20) Methylene Chloride	3.69	84	911779	51.60	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	906090	50.65	ug/l	95
22) Diisopropyl ether	4.83	45	3334677	50.85	ug/l	97
23) Vinyl Acetate	4.78	43	9525997	256.42	ug/l	99
24) 1,1-Dichloroethane	4.73	63	1522670	51.74	ug/l	100
25) 2-Butanone	5.60	43	1559133	231.63	ug/l	98
26) 2,2-Dichloropropane	5.57	77	1175150	51.36	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	946783	50.60	ug/l	99
28) Bromochloromethane	5.90	49	701431	49.59	ug/l	96
29) Tetrahydrofuran	5.93	42	871416	241.40	ug/l	99
30) Chloroform	6.08	83	1499794	50.26	ug/l	99
31) Cyclohexane	6.34	56	1390417	48.46	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	1271857	51.38	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1105147	49.26	ug/l	100
37) Ethyl Acetate	5.67	43	744392	48.25	ug/l	97
38) Carbon Tetrachloride	6.48	117	1071759	51.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1320493	52.03	ug/l	97
40) Benzene	6.78	78	2926206	51.18	ug/l	100
41) Methacrylonitrile	5.90	41	411141m	50.88	ug/l	
42) 1,2-Dichloroethane	6.87	62	870966	50.73	ug/l	98
43) Isopropyl Acetate	8.33	43	1044941	50.59	ug/l #	100
44) Trichloroethene	7.72	130	901074	51.01	ug/l	99
45) 1,2-Dichloropropane	8.09	63	777721	50.87	ug/l	99
46) Dibromomethane	8.20	93	513980	51.52	ug/l	92
47) Bromodichloromethane	8.48	83	1094518	50.89	ug/l	100
48) Methyl methacrylate	8.23	41	596856	51.88	ug/l	99
49) 1,4-Dioxane	8.21	88	111112	972.43	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	3195558	232.84	ug/l	100
52) Toluene	9.53	92	1887889	51.51	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	1031406	51.42	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1236345	51.58	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	617522	48.53	ug/l	97
56) Ethyl methacrylate	10.01	69	724543	51.33	ug/l	99
57) 1,3-Dichloropropane	10.37	76	955285	50.86	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1745969	256.16	ug/l	98
59) 2-Hexanone	10.48	43	2327271	237.87	ug/l	100
60) Dibromochloromethane	10.62	129	801550	51.75	ug/l	99
61) 1,2-Dibromoethane	10.74	107	667092	50.77	ug/l	97
64) Tetrachloroethene	10.24	164	828757	52.18	ug/l	99
65) Chlorobenzene	11.30	112	2050432	52.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	701352	53.73	ug/l	97
67) Ethyl Benzene	11.42	91	3326868	53.41	ug/l	99
68) m/p-Xylenes	11.56	106	2508170	109.03	ug/l	100
69) o-Xylene	11.92	106	1246354	54.68	ug/l	98
70) Styrene	11.95	104	2109434	55.04	ug/l	98
71) Bromoform	12.11	173	610846	54.46	ug/l	98
73) Isopropylbenzene	12.27	105	3323827	52.66	ug/l	100
74) N-amyl acetate	12.13	43	1282870	51.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	737242	51.48	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	759934	51.70	ug/l	98
77) Bromobenzene	12.53	156	969498	53.32	ug/l	98
78) n-propylbenzene	12.63	91	4147101	52.24	ug/l	100
79) 2-Chlorotoluene	12.70	91	2250558	50.23	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2535535	52.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	229257	51.67	ug/l	99
82) 4-Chlorotoluene	12.80	91	2532128	51.41	ug/l	99
83) tert-Butylbenzene	13.04	119	2914739	52.00	ug/l	91
84) 1,2,4-Trimethylbenzene	13.08	105	2640684	51.15	ug/l	100
85) sec-Butylbenzene	13.21	105	3510653	52.76	ug/l	99
86) p-Isopropyltoluene	13.34	119	2823268	52.46	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1617795	51.16	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	1654123	51.58	ug/l	95
89) n-Butylbenzene	13.64	91	2722402	54.99	ug/l	95
90) Hexachloroethane	13.85	117	727133	54.55	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1364185	54.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102915	47.14	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1217507	54.03	ug/l	97
94) Hexachlorobutadiene	14.88	225	777122	52.14	ug/l	99
95) Naphthalene	14.96	128	1776831	51.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1004239	50.57	ug/l	99

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

