

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060230.D
 Acq On : 29 Oct 2018 15:45
 Operator : VA/AP
 Sample : VD1029SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

apatel
 10/30/2018 12:38:05 PM

Quant Time: Oct 29 16:20:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1510153	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2119124	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	1725054	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	947464	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	642985	56.17	ug/l	0.04
Spiked Amount	50.000		Recovery	=	112.34%	
35) Dibromofluoromethane	6.34	113	852238	52.96	ug/l	0.04
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	9.47	98	2368428	51.61	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.44	95	912331	53.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	282887	19.914	ug/l	99
3) Chloromethane	1.76	50	307982	24.043	ug/l	99
4) Vinyl Chloride	1.86	62	249246	23.776	ug/l	99
5) Bromomethane	2.15	94	21091	16.023	ug/l	99
6) Chloroethane	2.26	64	53359	18.653	ug/l	95
7) Trichlorofluoromethane	2.51	101	292191	23.278	ug/l	93
8) Diethyl Ether	2.84	74	69622	26.974	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.10	101	207267	26.506	ug/l	95
10) Methyl Iodide	3.26	142	196164	23.655	ug/l	97
11) Tert butyl alcohol	3.99	59	83539	101.756	ug/l #	94
12) 1,1-Dichloroethene	3.08	96	165622	26.885	ug/l	88
13) Acrolein	2.99	56	45448	89.802	ug/l	93
14) Allyl chloride	3.54	41	319399	24.964	ug/l	99
15) Acrylonitrile	4.11	53	416377	122.532	ug/l	100
16) Acetone	3.17	43	338642	163.033	ug/l	100
17) Carbon Disulfide	3.33	76	493970	23.845	ug/l	99
18) Methyl Acetate	3.57	43	122383	27.413	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	646624	23.874	ug/l	98
20) Methylene Chloride	3.73	84	398017	21.930	ug/l	97
21) trans-1,2-Dichloroethene	4.12	96	353392	22.212	ug/l	99
22) Diisopropyl ether	4.87	45	1357903	23.765	ug/l	96
23) Vinyl Acetate	4.82	43	3993158	124.328	ug/l	99
24) 1,1-Dichloroethane	4.77	63	608398	23.484	ug/l	100
25) 2-Butanone	5.64	43	700608	135.013	ug/l	96
26) 2,2-Dichloropropane	5.60	77	489041	24.900	ug/l	95
27) cis-1,2-Dichloroethene	5.61	96	385520	22.870	ug/l	92
28) Bromochloromethane	5.94	49	298098	23.678	ug/l	98
29) Tetrahydrofuran	5.97	42	365853	121.379	ug/l	99
30) Chloroform	6.11	83	618609	23.605	ug/l	98
31) Cyclohexane	6.39	56	535787	21.604	ug/l	97
32) 1,1,1-Trichloroethane	6.31	97	496657	23.132	ug/l	99
36) 1,1-Dichloropropene	6.54	75	453322	22.386	ug/l	97
37) Ethyl Acetate	5.71	43	334100	24.856	ug/l	96
38) Carbon Tetrachloride	6.52	117	413668	22.507	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	517432	22.489	ug/l	96
40) Benzene	6.81	78	1176178	22.201	ug/l	99
41) Methacrylonitrile	5.94	41	160641m	21.145	ug/l	
42) 1,2-Dichloroethane	6.91	62	359557	23.673	ug/l	97
43) Isopropyl Acetate	8.37	43	417884	23.632	ug/l	100
44) Trichloroethene	7.76	130	361544	22.046	ug/l	97
45) 1,2-Dichloropropane	8.12	63	322597	23.256	ug/l	100
46) Dibromomethane	8.23	93	207552	23.110	ug/l	91
47) Bromodichloromethane	8.50	83	443699	23.187	ug/l	96
48) Methyl methacrylate	8.26	41	242932	24.118	ug/l	99
49) 1,4-Dioxane	8.25	88	44720	451.226	ug/l #	89
51) 4-Methyl-2-Pentanone	9.36	43	1401459	125.652	ug/l	98
52) Toluene	9.57	92	761345	22.314	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	410875	23.730	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	496690	23.230	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	263904	23.660	ug/l	97
56) Ethyl methacrylate	10.05	69	284308	23.091	ug/l	99
57) 1,3-Dichloropropane	10.39	76	403889	23.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.94	63	800248	117.042	ug/l	97
59) 2-Hexanone	10.50	43	1072947	133.780	ug/l	98
60) Dibromochloromethane	10.65	129	318144	23.247	ug/l	100
61) 1,2-Dibromoethane	10.77	107	273852	23.107	ug/l	99
64) Tetrachloroethene	10.27	164	321383	21.271	ug/l	98
65) Chlorobenzene	11.33	112	849667	22.768	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	294591	23.662	ug/l	98
67) Ethyl Benzene	11.44	91	1452822	24.028	ug/l	99
68) m/p-Xylenes	11.57	106	1091499	48.314	ug/l	95
69) o-Xylene	11.95	106	523583	23.431	ug/l	98
70) Styrene	11.97	104	868769	23.248	ug/l	99
71) Bromoform	12.13	173	232965	23.109	ug/l	99
73) Isopropylbenzene	12.28	105	1429596	22.871	ug/l	98
74) N-amyl acetate	12.15	43	534717	23.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	305118	22.360	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	310336	22.744	ug/l	98
77) Bromobenzene	12.55	156	396079	21.806	ug/l	97
78) n-propylbenzene	12.65	91	1783390	22.978	ug/l	98
79) 2-Chlorotoluene	12.72	91	970440	22.528	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1116573	23.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	84088	21.932	ug/l	97
82) 4-Chlorotoluene	12.81	91	1144321	23.487	ug/l	93
83) tert-Butylbenzene	13.06	119	1229168	22.141	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1112043	21.811	ug/l	97
85) sec-Butylbenzene	13.23	105	1481942	22.577	ug/l	98
86) p-Isopropyltoluene	13.36	119	1231550	22.875	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	701048	22.153	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	702123	22.088	ug/l	97
89) n-Butylbenzene	13.65	91	1267041	24.119	ug/l	98
90) Hexachloroethane	13.87	117	276217	22.169	ug/l	80
91) 1,2-Dichlorobenzene	13.67	146	627288	23.574	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	40689	22.332	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	452974	20.056	ug/l	97
94) Hexachlorobutadiene	14.89	225	316315	21.070	ug/l	99
95) Naphthalene	14.98	128	718438	21.460	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	409429	20.839	ug/l	97

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

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