

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060655.D
 Acq On : 20 Dec 2018 12:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:29 AM

Quant Time: Dec 20 14:58:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1487848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2051906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1668513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	852292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	209048	20.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.16%	
35) Dibromofluoromethane	6.32	113	302758	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
50) Toluene-d8	9.45	98	940022	21.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.12%	
62) 4-Bromofluorobenzene	12.42	95	329502	21.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.44%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.60	85	374111	17.434	ug/l	97
3) Chloromethane	1.77	50	373906	21.209	ug/l	96
4) Vinyl Chloride	1.87	62	298155	20.598	ug/l	99
5) Bromomethane	2.16	94	47147	12.526	ug/l	92
6) Chloroethane	2.27	64	78213	16.276	ug/l	100
7) Trichlorofluoromethane	2.52	101	321496	19.251	ug/l	98
8) Diethyl Ether	2.84	74	54771	20.170	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.10	101	217437	20.995	ug/l	100
10) Methyl Iodide	3.25	142	222629	18.770	ug/l	96
11) Tert butyl alcohol	3.97	59	39128	85.305	ug/l	97
12) 1,1-Dichloroethene	3.09	96	177720	21.246	ug/l	95
13) Acrolein	3.00	56	49190	122.603	ug/l	97
14) Allyl chloride	3.55	41	319908	20.113	ug/l	96
15) Acrylonitrile	4.09	53	253114	97.387	ug/l	90
16) Acetone	3.16	43	194843	102.727	ug/l	96
17) Carbon Disulfide	3.32	76	555541	19.847	ug/l	98
18) Methyl Acetate	3.57	43	85566	18.044	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	433612	19.308	ug/l	97
20) Methylene Chloride	3.73	84	398901	23.498	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	360925	20.426	ug/l	98
22) Diisopropyl ether	4.86	45	1095213	20.298	ug/l	99
23) Vinyl Acetate	4.81	43	2608828	98.441	ug/l	98
24) 1,1-Dichloroethane	4.76	63	584112	20.662	ug/l	98
25) 2-Butanone	5.62	43	348622	92.890	ug/l	99
26) 2,2-Dichloropropane	5.59	77	460975	20.465	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	362540	20.019	ug/l	96
28) Bromochloromethane	5.93	49	222906	18.937	ug/l	97
29) Tetrahydrofuran	5.95	42	194082	94.215	ug/l	99
30) Chloroform	6.11	83	583512	20.428	ug/l	98
31) Cyclohexane	6.36	56	524717	19.247	ug/l	96
32) 1,1,1-Trichloroethane	6.29	97	484404	20.419	ug/l	97
36) 1,1-Dichloropropene	6.52	75	445288	20.327	ug/l	98
37) Ethyl Acetate	5.70	43	185782	20.546	ug/l	99
38) Carbon Tetrachloride	6.50	117	397657	20.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	508026	19.772	ug/l	99
40) Benzene	6.80	78	1174357	20.661	ug/l	98
41) Methacrylonitrile	5.92	41	89149m	16.638	ug/l	
42) 1,2-Dichloroethane	6.89	62	287588	20.358	ug/l	99
43) Isopropyl Acetate	8.35	43	222983	18.159	ug/l #	99
44) Trichloroethene	7.74	130	345729	20.327	ug/l	97
45) 1,2-Dichloropropane	8.10	63	283564	20.541	ug/l	99
46) Dibromomethane	8.21	93	155523	19.425	ug/l	96
47) Bromodichloromethane	8.49	83	376860	19.468	ug/l	100
48) Methyl methacrylate	8.24	41	137164	18.350	ug/l	97
49) 1,4-Dioxane	8.22	88	24899	355.754	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	728788	96.769	ug/l	96
52) Toluene	9.55	92	736998	20.417	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	310280	18.878	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	418870	19.497	ug/l	95
55) 1,1,2-Trichloroethane	10.18	97	190646	19.916	ug/l	99
56) Ethyl methacrylate	10.03	69	174602	17.831	ug/l	99
57) 1,3-Dichloropropane	10.38	76	300211	19.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	521321	100.896	ug/l	96
59) 2-Hexanone	10.49	43	502750	93.951	ug/l	97
60) Dibromochloromethane	10.63	129	239672	18.465	ug/l	97
61) 1,2-Dibromoethane	10.75	107	191798	18.626	ug/l	97
64) Tetrachloroethene	10.25	164	317845	19.700	ug/l	99
65) Chlorobenzene	11.31	112	779144	19.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	251680	19.589	ug/l	99
67) Ethyl Benzene	11.43	91	1385527	20.571	ug/l	98
68) m/p-Xylenes	11.57	106	1029005	42.067	ug/l	99
69) o-Xylene	11.93	106	472054	19.907	ug/l	91
70) Styrene	11.95	104	747811	19.543	ug/l	96
71) Bromoform	12.11	173	155306	17.951	ug/l #	93
73) Isopropylbenzene	12.28	105	1356419	20.785	ug/l	98
74) N-amyl acetate	12.13	43	293979	19.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	199128	18.409	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	197253	18.785	ug/l	99
77) Bromobenzene	12.54	156	340058	19.555	ug/l	91
78) n-propylbenzene	12.64	91	1726150	20.760	ug/l	99
79) 2-Chlorotoluene	12.70	91	872172	19.346	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1021603	20.344	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	53050	17.394	ug/l	96
82) 4-Chlorotoluene	12.81	91	1002890	20.286	ug/l	92
83) tert-Butylbenzene	13.04	119	1178360	20.589	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1045093	20.034	ug/l	98
85) sec-Butylbenzene	13.22	105	1430285	20.075	ug/l	97
86) p-Isopropyltoluene	13.34	119	1182504	21.229	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	640910	20.273	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	613279	19.657	ug/l	97
89) n-Butylbenzene	13.65	91	1206716	21.206	ug/l	97
90) Hexachloroethane	13.86	117	280035	19.783	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	518713	20.663	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	22844	17.875	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401911	19.329	ug/l	97
94) Hexachlorobutadiene	14.89	225	303221	20.259	ug/l	99
95) Naphthalene	14.96	128	456001	18.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	299576	18.307	ug/l	98

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

