

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102618\
 Data File : VD060216.D
 Acq On : 26 Oct 2018 15:11
 Operator : JC/SY
 Sample : VD1026SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:15:17 PM

Quant Time: Oct 27 00:06:47 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	6.40	168	1508526	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	2048748	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1685089	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	932289	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	575026	50.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.58%	
35) Dibromofluoromethane	6.31	113	809156	52.01	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.02%	
50) Toluene-d8	9.45	98	2232844	50.33	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.42	95	871534	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	278706	19.641	ug/l	98
3) Chloromethane	1.75	50	278492	21.765	ug/l	100
4) Vinyl Chloride	1.85	62	242503	23.158	ug/l	97
5) Bromomethane	2.14	94	21855	16.622	ug/l	95
6) Chloroethane	2.25	64	54256	18.987	ug/l	94
7) Trichlorofluoromethane	2.50	101	271487	21.652	ug/l	98
8) Diethyl Ether	2.82	74	60859	23.604	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.08	101	189025	24.199	ug/l	98
10) Methyl Iodide	3.24	142	163262	19.709	ug/l	99
11) Tert butyl alcohol	3.97	59	75318	91.841	ug/l	96
12) 1,1-Dichloroethene	3.06	96	151177	24.567	ug/l	91
13) Acrolein	2.97	56	38613	76.379	ug/l	100
14) Allyl chloride	3.52	41	303798	23.770	ug/l	99
15) Acrylonitrile	4.08	53	360047	106.069	ug/l	97
16) Acetone	3.15	43	290864	140.183	ug/l	97
17) Carbon Disulfide	3.31	76	449163	21.705	ug/l	100
18) Methyl Acetate	3.54	43	91745	20.572	ug/l	93
19) Methyl tert-butyl Ether	4.11	73	601828	22.244	ug/l	98
20) Methylene Chloride	3.70	84	359380	19.370	ug/l	96
21) trans-1,2-Dichloroethene	4.09	96	347044	21.836	ug/l	97
22) Diisopropyl ether	4.84	45	1278153	22.393	ug/l	96
23) Vinyl Acetate	4.79	43	3520513	109.730	ug/l	99
24) 1,1-Dichloroethane	4.74	63	590071	22.801	ug/l	99
25) 2-Butanone	5.61	43	611557	117.979	ug/l	95
26) 2,2-Dichloropropane	5.57	77	473291	24.124	ug/l	94
27) cis-1,2-Dichloroethene	5.58	96	373598	22.187	ug/l	94
28) Bromochloromethane	5.92	49	278015	22.107	ug/l	92
29) Tetrahydrofuran	5.95	42	314860	104.574	ug/l	98
30) Chloroform	6.09	83	599842	22.914	ug/l	96
31) Cyclohexane	6.36	56	541285	21.849	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	488466	22.775	ug/l	99
36) 1,1-Dichloropropene	6.52	75	451307	23.052	ug/l	98
37) Ethyl Acetate	5.69	43	271196	20.870	ug/l	98
38) Carbon Tetrachloride	6.49	117	408542	22.992	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	500101	22.482	ug/l	98
40) Benzene	6.78	78	1149719	22.448	ug/l	99
41) Methacrylonitrile	5.91	41	120327m	16.382	ug/l	
42) 1,2-Dichloroethane	6.88	62	333280	22.697	ug/l	99
43) Isopropyl Acetate	8.34	43	353246	20.662	ug/l	100
44) Trichloroethene	7.73	130	342131	21.579	ug/l	99
45) 1,2-Dichloropropane	8.09	63	304467	22.703	ug/l	94
46) Dibromomethane	8.21	93	189608	21.838	ug/l	97
47) Bromodichloromethane	8.48	83	430058	23.246	ug/l	98
48) Methyl methacrylate	8.24	41	213571	21.931	ug/l	98
49) 1,4-Dioxane	8.22	88	40768	425.481	ug/l	89
51) 4-Methyl-2-Pentanone	9.33	43	1170968	108.593	ug/l	98
52) Toluene	9.54	92	734485	22.266	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	389007	23.239	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	474513	22.955	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	249324	23.121	ug/l	97
56) Ethyl methacrylate	10.02	69	248004	20.834	ug/l	89
57) 1,3-Dichloropropane	10.37	76	369838	22.487	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	755278	114.260	ug/l	97
59) 2-Hexanone	10.48	43	899642	116.025	ug/l	99
60) Dibromochloromethane	10.63	129	300162	22.687	ug/l	97
61) 1,2-Dibromoethane	10.75	107	243626	21.263	ug/l	99
64) Tetrachloroethene	10.25	164	329172	22.303	ug/l	96
65) Chlorobenzene	11.31	112	817433	22.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	283182	23.285	ug/l	96
67) Ethyl Benzene	11.43	91	1430601	24.221	ug/l	100
68) m/p-Xylenes	11.56	106	1066761	48.339	ug/l	97
69) o-Xylene	11.93	106	500600	22.934	ug/l	93
70) Styrene	11.95	104	813767	22.293	ug/l	97
71) Bromoform	12.12	173	202152	20.528	ug/l #	96
73) Isopropylbenzene	12.27	105	1404023	22.828	ug/l	98
74) N-amyl acetate	12.13	43	465429	20.659	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	275837	20.543	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	271877	20.250	ug/l	99
77) Bromobenzene	12.54	156	385434	21.565	ug/l	87
78) n-propylbenzene	12.64	91	1768594	23.158	ug/l	98
79) 2-Chlorotoluene	12.71	91	943181	22.252	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	1075368	22.591	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	72333	19.173	ug/l	98
82) 4-Chlorotoluene	12.80	91	1095787	22.857	ug/l	96
83) tert-Butylbenzene	13.04	119	1246297	22.815	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1142661	22.776	ug/l	97
85) sec-Butylbenzene	13.22	105	1457686	22.569	ug/l	99
86) p-Isopropyltoluene	13.34	119	1231387	23.245	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	698661	22.437	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	703206	22.483	ug/l	99
89) n-Butylbenzene	13.64	91	1230153	23.798	ug/l	97
90) Hexachloroethane	13.86	117	261853	21.358	ug/l	64
91) 1,2-Dichlorobenzene	13.66	146	587985	22.457	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35915	20.032	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	477336	21.479	ug/l	98
94) Hexachlorobutadiene	14.88	225	327210	22.150	ug/l	99
95) Naphthalene	14.97	128	656460	19.928	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	393886	20.374	ug/l	98

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

