

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122618\
 Data File : VD060711.D
 Acq On : 26 Dec 2018 11:43
 Operator : VA/AP
 Sample : VD1226SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2018 10:47:59 AM

Quant Time: Dec 27 02:02:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1482377	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	2051037	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1627861	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	845870	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	590997	57.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	115.38%	
35) Dibromofluoromethane	6.31	113	852000	56.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.50%	
50) Toluene-d8	9.44	98	2441729	54.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.02%	
62) 4-Bromofluorobenzene	12.41	95	873522	55.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	355723	18.781	ug/l	97
3) Chloromethane	1.77	50	332484	19.073	ug/l	96
4) Vinyl Chloride	1.87	62	260990	18.858	ug/l	99
5) Bromomethane	2.15	94	37313	12.036	ug/l	97
6) Chloroethane	2.26	64	65400	15.834	ug/l	94
7) Trichlorofluoromethane	2.51	101	287250	18.660	ug/l	95
8) Diethyl Ether	2.83	74	51630	20.047	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	196623	19.691	ug/l	94
10) Methyl Iodide	3.25	142	194304	18.516	ug/l	97
11) Tert butyl alcohol	3.95	59	41056	95.896	ug/l #	94
12) 1,1-Dichloroethene	3.07	96	161476	19.681	ug/l	98
13) Acrolein	2.99	56	41844	95.910	ug/l	95
14) Allyl chloride	3.53	41	300075	19.932	ug/l	98
15) Acrylonitrile	4.08	53	266225	107.108	ug/l	98
16) Acetone	3.16	43	174923	97.776	ug/l	99
17) Carbon Disulfide	3.31	76	463315	17.682	ug/l	99
18) Methyl Acetate	3.55	43	85688	19.326	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	441596	21.215	ug/l	99
20) Methylene Chloride	3.72	84	459849	24.751	ug/l	96
21) trans-1,2-Dichloroethene	4.09	96	331362	19.721	ug/l	99
22) Diisopropyl ether	4.84	45	1085275	21.232	ug/l	97
23) Vinyl Acetate	4.79	43	2659671	107.549	ug/l	99
24) 1,1-Dichloroethane	4.74	63	568125	21.131	ug/l	99
25) 2-Butanone	5.61	43	356858	104.240	ug/l	99
26) 2,2-Dichloropropane	5.57	77	441474	20.802	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	353421	20.720	ug/l	97
28) Bromochloromethane	5.90	49	222053	19.550	ug/l	100
29) Tetrahydrofuran	5.94	42	196538	101.270	ug/l	99
30) Chloroform	6.08	83	562082	20.776	ug/l	98
31) Cyclohexane	6.34	56	519161	20.065	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	463511	20.709	ug/l	99
36) 1,1-Dichloropropene	6.50	75	429747	20.348	ug/l	95
37) Ethyl Acetate	5.68	43	186213	21.082	ug/l #	94
38) Carbon Tetrachloride	6.47	117	381251	20.462	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	482241	20.020	ug/l	99
40) Benzene	6.77	78	1089504	19.971	ug/l	99
41) Methacrylonitrile	5.92	41	120067m	24.575	ug/l	
42) 1,2-Dichloroethane	6.87	62	277803	20.520	ug/l	99
43) Isopropyl Acetate	8.32	43	221567	19.547	ug/l #	99
44) Trichloroethene	7.72	130	323006	20.004	ug/l	98
45) 1,2-Dichloropropane	8.08	63	275165	20.567	ug/l	100
46) Dibromomethane	8.20	93	156466	20.491	ug/l	96
47) Bromodichloromethane	8.47	83	370002	20.459	ug/l	98
48) Methyl methacrylate	8.22	41	136984	19.897	ug/l	99
49) 1,4-Dioxane	8.21	88	23858	372.711	ug/l #	82
51) 4-Methyl-2-Pentanone	9.32	43	710622	102.325	ug/l	98
52) Toluene	9.52	92	696887	20.377	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	314561	20.848	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	409083	20.714	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	192475	20.917	ug/l	93
56) Ethyl methacrylate	10.01	69	172127	20.139	ug/l	95
57) 1,3-Dichloropropane	10.36	76	295486	20.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	538933	107.016	ug/l	97
59) 2-Hexanone	10.47	43	504638	103.812	ug/l	100
60) Dibromochloromethane	10.62	129	245572	20.952	ug/l	96
61) 1,2-Dibromoethane	10.73	107	196068	20.543	ug/l	100
64) Tetrachloroethene	10.23	164	314907	21.343	ug/l	95
65) Chlorobenzene	11.29	112	757189	21.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	249992	21.618	ug/l	98
67) Ethyl Benzene	11.41	91	1329386	21.583	ug/l	98
68) m/p-Xylenes	11.55	106	969337	43.063	ug/l	98
69) o-Xylene	11.91	106	456134	21.359	ug/l	90
70) Styrene	11.93	104	734095	21.343	ug/l	96
71) Bromoform	12.10	173	161644	21.176	ug/l	97
73) Isopropylbenzene	12.26	105	1314074	21.819	ug/l	100
74) N-amyl acetate	12.12	43	306190	21.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.54	83	203369	20.833	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	201869	20.962	ug/l	97
77) Bromobenzene	12.53	156	344100	21.641	ug/l	95
78) n-propylbenzene	12.62	91	1626541	21.126	ug/l	99
79) 2-Chlorotoluene	12.69	91	885766	21.479	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1037092	22.301	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	52705	19.806	ug/l	96
82) 4-Chlorotoluene	12.79	91	1021541	21.855	ug/l	100
83) tert-Butylbenzene	13.03	119	1145530	21.644	ug/l	90
84) 1,2,4-Trimethylbenzene	13.08	105	1044357	21.804	ug/l	98
85) sec-Butylbenzene	13.20	105	1386467	21.481	ug/l	99
86) p-Isopropyltoluene	13.33	119	1122353	21.542	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	618498	21.190	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	600132	20.865	ug/l	99
89) n-Butylbenzene	13.64	91	1178412	22.133	ug/l	100
90) Hexachloroethane	13.84	117	276809	21.627	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	522658	22.323	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	24194	21.097	ug/l #	46

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	397951	21.360	ug/l	100
94) Hexachlorobutadiene	14.87	225	284929	20.690	ug/l	98
95) Naphthalene	14.96	128	441731	19.949	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	322900	22.171	ug/l	99

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

