

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082118\
 Data File : VD059856.D
 Acq On : 21 Aug 2018 15:25
 Operator : JC/SY
 Sample : J4511-11MSD
 Misc : 5.05g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Manual Integrations
 APPROVED

apatel
 8/22/2018 12:42:48 PM

Quant Time: Aug 22 01:32:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	789385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1130349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	770716	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	256061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	356382	56.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	5.51	113	456295	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	8.68	98	1113270	49.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.90	95	332822	38.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	388200	57.100	ug/l	98
3) Chloromethane	1.45	50	305621	53.062	ug/l	96
4) Vinyl Chloride	1.53	62	260177	56.366	ug/l	98
5) Bromomethane	1.77	94	48450	79.875	ug/l	95
6) Chloroethane	1.86	64	78367	75.040	ug/l	96
7) Trichlorofluoromethane	2.05	101	282883	60.875	ug/l	99
8) Diethyl Ether	2.31	74	64935	62.515	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.53	101	167426	56.651	ug/l	95
10) Methyl Iodide	2.65	142	186225	54.594	ug/l	96
11) Tert butyl alcohol	3.21	59	82633	353.832	ug/l	96
12) 1,1-Dichloroethene	2.52	96	138008	67.860	ug/l	83
13) Acrolein	2.44	56	5416	23.620	ug/l	90
14) Allyl chloride	2.88	41	341347	55.231	ug/l	98
15) Acrylonitrile	3.31	53	321088	297.048	ug/l	98
16) Acetone	2.58	43	589387	556.612	ug/l	99
17) Carbon Disulfide	2.72	76	389906	49.900	ug/l	98
18) Methyl Acetate	2.90	43	336728	162.152	ug/l	98
19) Methyl tert-butyl Ether	3.36	73	837534	61.313	ug/l	100
20) Methylene Chloride	3.03	84	157382	61.667	ug/l	97
21) trans-1,2-Dichloroethene	3.34	96	334922	51.756	ug/l	98
22) Diisopropyl ether	4.02	45	1919203	60.792	ug/l #	87
23) Vinyl Acetate	3.97	43	3171919	187.035	ug/l	100
24) 1,1-Dichloroethane	3.92	63	797487	57.444	ug/l	99
25) 2-Butanone	4.79	43	1086986	339.615	ug/l	97
26) 2,2-Dichloropropane	4.75	77	592120	54.359	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	467381	56.564	ug/l	98
28) Bromochloromethane	5.10	49	402749	57.251	ug/l	94
29) Tetrahydrofuran	5.13	42	533031	328.915	ug/l	99
30) Chloroform	5.28	83	769471	56.161	ug/l	100
31) Cyclohexane	5.55	56	484420	41.433	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	627489	54.350	ug/l	97
36) 1,1-Dichloropropene	5.70	75	473369	49.380	ug/l	99
37) Ethyl Acetate	4.88	43	422921	59.514	ug/l	99
38) Carbon Tetrachloride	5.68	117	489752	51.188	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	304744	29.721	ug/l	97
40) Benzene	5.97	78	1429760	57.567	ug/l	100
41) Methacrylonitrile	5.07	41	224931	61.786	ug/l	97
42) 1,2-Dichloroethane	6.09	62	492966	60.955	ug/l	99
43) Isopropyl Acetate	7.57	43	543762	55.323	ug/l	100
44) Trichloroethene	6.94	130	383122	51.867	ug/l	98
45) 1,2-Dichloropropane	7.31	63	423140	58.020	ug/l	99
46) Dibromomethane	7.43	93	272674	60.050	ug/l	90
47) Bromodichloromethane	7.70	83	570835	56.939	ug/l	100
48) Methyl methacrylate	7.47	41	356206	65.709	ug/l	98
49) 1,4-Dioxane	7.45	88	68602	1495.408	ug/l	95
51) 4-Methyl-2-Pentanone	8.56	43	2355965	358.529	ug/l	99
52) Toluene	8.76	92	826633	52.636	ug/l	100
53) t-1,3-Dichloropropene	9.15	75	499774	54.725	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	609502	55.728	ug/l	99
55) 1,1,2-Trichloroethane	9.42	97	334017	58.917	ug/l	97
56) Ethyl methacrylate	9.28	69	393178	60.144	ug/l	99
57) 1,3-Dichloropropane	9.63	76	480274	57.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	969742	278.856	ug/l	96
59) 2-Hexanone	9.75	43	1677349	345.335	ug/l	99
60) Dibromochloromethane	9.93	129	405604	55.561	ug/l	98
61) 1,2-Dibromoethane	10.05	107	348399	57.512	ug/l	98
64) Tetrachloroethene	9.47	164	285881	50.661	ug/l	99
65) Chlorobenzene	10.69	112	813277	54.713	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	332644	65.569	ug/l	99
67) Ethyl Benzene	10.83	91	1309911	54.889	ug/l	99
68) m/p-Xylenes	10.99	106	951105	107.688	ug/l	100
69) o-Xylene	11.38	106	481468	55.900	ug/l	95
70) Styrene	11.41	104	768953	51.270	ug/l	95
71) Bromoform	11.58	173	287507	63.064	ug/l #	98
73) Isopropylbenzene	11.75	105	1079940	61.887	ug/l	99
74) N-amyl acetate	11.62	43	516277	66.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	378607	92.047	ug/l	100
76) 1,2,3-Trichloropropane	12.09	75	382665	90.331	ug/l	100
77) Bromobenzene	12.02	156	332439	68.539	ug/l	83
78) n-propylbenzene	12.13	91	1189399	54.876	ug/l	99
79) 2-Chlorotoluene	12.19	91	704424	56.453	ug/l	94
80) 1,3,5-Trimethylbenzene	12.30	105	748038	60.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	116537	88.000	ug/l	91
82) 4-Chlorotoluene	12.31	91	758090	64.031	ug/l	91
83) tert-Butylbenzene	12.55	119	782093m	56.816	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	805689	56.110	ug/l	99
85) sec-Butylbenzene	12.73	105	772669	42.323	ug/l	98
86) p-Isopropyltoluene	12.87	119	611526	42.701	ug/l	96
87) 1,3-Dichlorobenzene	12.82	146	406240	49.751	ug/l	99
88) 1,4-Dichlorobenzene	12.91	146	426627	52.711	ug/l	99
89) n-Butylbenzene	13.17	91	478101	33.432	ug/l	97
90) Hexachloroethane	13.38	117	167476	40.987	ug/l	90
91) 1,2-Dichlorobenzene	13.17	146	372640	63.421	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	46776	76.398	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	156120	26.630	ug/l	96
94) Hexachlorobutadiene	14.41	225	73698	18.686	ug/l	96
95) Naphthalene	14.49	128	421771	44.039	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	127371	24.791	ug/l	95

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

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