

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059900.D
 Acq On : 24 Aug 2018 11:46
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/27/2018 10:48:29 AM

Quant Time: Aug 24 14:50:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1303388	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1838735	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1533471	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	797275	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	551655	50.22	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	6.31	113	745351	51.70	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	9.45	98	2099894	52.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.42	95	825364	50.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	605032	51.93	ug/l	99
3) Chloromethane	1.75	50	529076	50.13	ug/l	96
4) Vinyl Chloride	1.84	62	464887	56.17	ug/l	98
5) Bromomethane	2.13	94	77440	54.20	ug/l	93
6) Chloroethane	2.24	64	138170	52.56	ug/l	99
7) Trichlorofluoromethane	2.49	101	542021	56.61	ug/l	98
8) Diethyl Ether	2.81	74	114928	53.51	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.07	101	336860	57.45	ug/l	96
10) Methyl Iodide	3.23	142	335420	53.44	ug/l	98
11) Tert butyl alcohol	3.94	59	201232	240.07	ug/l	99
12) 1,1-Dichloroethene	3.05	96	263365	57.70	ug/l	98
13) Acrolein	2.96	56	86539	238.03	ug/l	89
14) Allyl chloride	3.51	41	572550	55.44	ug/l	96
15) Acrylonitrile	4.06	53	757691	241.38	ug/l	98
16) Acetone	3.14	43	588126	293.85	ug/l	100
17) Carbon Disulfide	3.29	76	791245	55.84	ug/l	99
18) Methyl Acetate	3.54	43	209379	50.11	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1291984	50.03	ug/l	98
20) Methylene Chloride	3.70	84	709714	53.38	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	657175	52.25	ug/l	97
22) Diisopropyl ether	4.84	45	2766990	52.54	ug/l	98
23) Vinyl Acetate	4.78	43	7590353	257.82	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1222091	53.71	ug/l	99
25) 2-Butanone	5.61	43	1564474	263.93	ug/l	98
26) 2,2-Dichloropropane	5.57	77	1020433	53.65	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	745990	54.17	ug/l	98
28) Bromochloromethane	5.90	49	596249	54.68	ug/l	98
29) Tetrahydrofuran	5.93	42	701943	248.74	ug/l	100
30) Chloroform	6.08	83	1270193	54.93	ug/l	98
31) Cyclohexane	6.35	56	1057780	50.57	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	1027408	52.35	ug/l	100
36) 1,1-Dichloropropene	6.50	75	883043	52.98	ug/l	97
37) Ethyl Acetate	5.68	43	649708	50.09	ug/l	98
38) Carbon Tetrachloride	6.48	117	870813	51.77	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	977504	54.28	ug/l	99
40) Benzene	6.78	78	2291630	52.87	ug/l	99
41) Methacrylonitrile	5.91	41	317416m	48.58	ug/l	
42) 1,2-Dichloroethane	6.88	62	730520	52.50	ug/l	100
43) Isopropyl Acetate	8.33	43	843863	50.01	ug/l	97
44) Trichloroethene	7.72	130	660129	51.73	ug/l	96
45) 1,2-Dichloropropane	8.09	63	641821	52.98	ug/l	97
46) Dibromomethane	8.20	93	404976	51.99	ug/l	97
47) Bromodichloromethane	8.47	83	940009	53.31	ug/l	99
48) Methyl methacrylate	8.23	41	496210	50.45	ug/l	99
49) 1,4-Dioxane	8.22	88	88244	1004.84	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	3299686	262.29	ug/l	99
52) Toluene	9.53	92	1499125	53.94	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	866830	53.15	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1014351	53.64	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	493695	48.60	ug/l	98
56) Ethyl methacrylate	10.02	69	578699	49.36	ug/l	98
57) 1,3-Dichloropropane	10.37	76	772696	52.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	1386242	246.47	ug/l	100
59) 2-Hexanone	10.48	43	2359831	254.32	ug/l	99
60) Dibromochloromethane	10.63	129	646762	50.65	ug/l	98
61) 1,2-Dibromoethane	10.74	107	510945	49.74	ug/l	99
64) Tetrachloroethene	10.24	164	629974	53.13	ug/l	97
65) Chlorobenzene	11.31	112	1631957	53.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	580163	52.11	ug/l	97
67) Ethyl Benzene	11.42	91	2699927	52.66	ug/l	99
68) m/p-Xylenes	11.56	106	1997761	107.03	ug/l	98
69) o-Xylene	11.93	106	971705	53.23	ug/l	100
70) Styrene	11.94	104	1654127	52.33	ug/l	98
71) Bromoform	12.11	173	488417	50.70	ug/l	# 98
73) Isopropylbenzene	12.27	105	2694381	52.94	ug/l	99
74) N-amyl acetate	12.12	43	1047717	47.02	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	584535	49.65	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	608485	49.11	ug/l	99
77) Bromobenzene	12.54	156	769173	54.51	ug/l	84
78) n-propylbenzene	12.63	91	3312650	51.40	ug/l	98
79) 2-Chlorotoluene	12.70	91	1896789	52.04	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	2151725	53.18	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	187351	48.61	ug/l	94
82) 4-Chlorotoluene	12.80	91	2134618	51.35	ug/l	97
83) tert-Butylbenzene	13.04	119	2396658	52.00	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2143114	50.82	ug/l	98
85) sec-Butylbenzene	13.21	105	2842436	52.44	ug/l	98
86) p-Isopropyltoluene	13.33	119	2291479	51.98	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1305942	51.84	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1307165	52.01	ug/l	98
89) n-Butylbenzene	13.64	91	2386847	58.76	ug/l	98
90) Hexachloroethane	13.85	117	614598	51.92	ug/l	79
91) 1,2-Dichlorobenzene	13.66	146	1126967	52.61	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	86892	48.01	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	953223	51.97	ug/l	98
94) Hexachlorobutadiene	14.88	225	661966	55.06	ug/l	98
95) Naphthalene	14.96	128	1370159	48.89	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	815701	52.00	ug/l	97

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

