

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060496.D
 Acq On : 5 Dec 2018 17:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:54:10 AM

Quant Time: Dec 06 01:56:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1571123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2217629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1774176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	912067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	561738	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	6.32	113	792771	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	9.45	98	2290971	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.43	95	819207	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	697552	46.185	ug/l	99
3) Chloromethane	1.77	50	724293	44.869	ug/l	97
4) Vinyl Chloride	1.87	62	591801	45.936	ug/l	98
5) Bromomethane	2.16	94	169954	52.731	ug/l	97
6) Chloroethane	2.27	64	193690	45.557	ug/l	97
7) Trichlorofluoromethane	2.53	101	685040	46.051	ug/l	98
8) Diethyl Ether	2.84	74	135886	52.885	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.11	101	453410	46.976	ug/l	99
10) Methyl Iodide	3.25	142	534707	47.394	ug/l	97
11) Tert butyl alcohol	3.97	59	134480	297.242	ug/l	95
12) 1,1-Dichloroethene	3.09	96	365102	46.492	ug/l	98
13) Acrolein	3.00	56	122320	247.432	ug/l	92
14) Allyl chloride	3.55	41	759392	50.968	ug/l	99
15) Acrylonitrile	4.09	53	709498	276.186	ug/l	95
16) Acetone	3.17	43	437181	244.917	ug/l	99
17) Carbon Disulfide	3.32	76	1154906	45.275	ug/l	100
18) Methyl Acetate	3.57	43	217099	51.174	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1192962	54.779	ug/l	100
20) Methylene Chloride	3.73	84	843242	51.591	ug/l	94
21) trans-1,2-Dichloroethene	4.11	96	860871	50.396	ug/l	97
22) Diisopropyl ether	4.86	45	2724991	50.939	ug/l	96
23) Vinyl Acetate	4.81	43	7105607	268.092	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1371413	49.348	ug/l	99
25) 2-Butanone	5.63	43	1010288	287.679	ug/l	99
26) 2,2-Dichloropropane	5.60	77	1030632	48.006	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	900288	51.834	ug/l	97
28) Bromochloromethane	5.93	49	618119	50.209	ug/l	99
29) Tetrahydrofuran	5.96	42	533594	268.314	ug/l	99
30) Chloroform	6.11	83	1368047	48.862	ug/l	98
31) Cyclohexane	6.37	56	1208523	50.925	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1152483	50.071	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1005577	46.390	ug/l	98
37) Ethyl Acetate	5.70	43	493816	52.528	ug/l	99
38) Carbon Tetrachloride	6.50	117	946722	48.648	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1195828	48.392	ug/l	98
40) Benzene	6.80	78	2749122	49.624	ug/l	100
41) Methacrylonitrile	5.92	41	233378m	46.052	ug/l	
42) 1,2-Dichloroethane	6.89	62	717520	50.940	ug/l	100
43) Isopropyl Acetate	8.35	43	650642	56.067	ug/l #	96
44) Trichloroethene	7.74	130	832813	50.302	ug/l	99
45) 1,2-Dichloropropane	8.11	63	693984	50.650	ug/l	99
46) Dibromomethane	8.21	93	418524	52.868	ug/l	97
47) Bromodichloromethane	8.49	83	974064	51.857	ug/l	99
48) Methyl methacrylate	8.24	41	388027	56.510	ug/l	98
49) 1,4-Dioxane	8.22	88	74430	1195.989	ug/l	97
51) 4-Methyl-2-Pentanone	9.35	43	2055465	284.742	ug/l	99
52) Toluene	9.55	92	1687477	48.734	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	828777	53.697	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	1033061	50.944	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	499723	51.824	ug/l	99
56) Ethyl methacrylate	10.03	69	490271	56.180	ug/l	97
57) 1,3-Dichloropropane	10.38	76	756652	50.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1411290	270.276	ug/l	99
59) 2-Hexanone	10.49	43	1438086	285.013	ug/l	100
60) Dibromochloromethane	10.64	129	654297	54.272	ug/l	98
61) 1,2-Dibromoethane	10.76	107	534109	54.352	ug/l	99
64) Tetrachloroethene	10.25	164	740657	47.145	ug/l	98
65) Chlorobenzene	11.31	112	1827056	48.678	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	612696	50.646	ug/l	97
67) Ethyl Benzene	11.43	91	3056103	47.736	ug/l	98
68) m/p-Xylenes	11.57	106	2360478	99.661	ug/l	97
69) o-Xylene	11.93	106	1099061	48.691	ug/l	98
70) Styrene	11.95	104	1809673	49.949	ug/l	98
71) Bromoform	12.11	173	446685	55.343	ug/l	99
73) Isopropylbenzene	12.28	105	3059356	47.402	ug/l	99
74) N-amyl acetate	12.13	43	853281	54.703	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	541382	52.396	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	534115	51.684	ug/l	99
77) Bromobenzene	12.54	156	837922	49.391	ug/l	90
78) n-propylbenzene	12.64	91	3850447	47.195	ug/l	97
79) 2-Chlorotoluene	12.70	91	2126225	48.027	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	2406382	48.794	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	156686	54.362	ug/l	96
82) 4-Chlorotoluene	12.81	91	2297776	46.211	ug/l	96
83) tert-Butylbenzene	13.05	119	2672927	48.339	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2379581	46.599	ug/l	99
85) sec-Butylbenzene	13.22	105	3300203	47.885	ug/l	97
86) p-Isopropyltoluene	13.34	119	2596675	47.529	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1474188	47.993	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1458704	48.408	ug/l	97
89) n-Butylbenzene	13.65	91	2512301	45.618	ug/l	98
90) Hexachloroethane	13.86	117	668832	48.827	ug/l	79
91) 1,2-Dichlorobenzene	13.67	146	1189995	47.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	68895	55.029	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	978457	49.862	ug/l	97
94) Hexachlorobutadiene	14.88	225	721450	49.830	ug/l	99
95) Naphthalene	14.96	128	1274378	54.589	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	812168	51.943	ug/l	99

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

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