

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062639.D
 Acq On : 7 Jun 2019 12:42
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:22 AM

Quant Time: Jun 07 23:43:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	748793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	978380	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	758084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	463098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	752362	69.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.10%	
35) Dibromofluoromethane	6.91	113	767991	74.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.82%	
50) Toluene-d8	10.40	98	1615802	73.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.06%	
62) 4-Bromofluorobenzene	13.55	95	735825	70.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	513275	53.257	ug/l	99
3) Chloromethane	1.73	50	417326	55.290	ug/l	99
4) Vinyl Chloride	1.84	62	461203	60.478	ug/l	97
5) Bromomethane	2.13	94	243179	63.570	ug/l	96
6) Chloroethane	2.25	64	256869	65.190	ug/l #	89
7) Trichlorofluoromethane	2.52	101	1126550	64.999	ug/l	100
8) Diethyl Ether	2.86	74	143861	60.866	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	597378	62.153	ug/l	98
10) Methyl Iodide	3.29	142	844187	68.895	ug/l	96
11) Tert butyl alcohol	4.07	59	135114	285.730	ug/l #	87
12) 1,1-Dichloroethene	3.11	96	419861	62.692	ug/l	98
13) Acrolein	3.02	56	48566	371.616	ug/l	98
14) Allyl chloride	3.60	41	689358	66.951	ug/l	96
15) Acrylonitrile	4.18	53	340909	332.994	ug/l	100
16) Acetone	3.21	43	707392	349.416	ug/l	94
17) Carbon Disulfide	3.35	76	1328694	66.396	ug/l	99
18) Methyl Acetate	3.63	43	203213	61.681	ug/l #	93
19) Methyl tert-butyl Ether	4.22	73	1114890	67.506	ug/l	98
20) Methylene Chloride	3.80	84	467387	61.906	ug/l	96
21) trans-1,2-Dichloroethene	4.19	96	490809	65.427	ug/l	94
22) Diisopropyl ether	5.11	45	1498497	71.105	ug/l	93
23) Vinyl Acetate	5.04	43	4719899	354.939	ug/l	98
24) 1,1-Dichloroethane	4.96	63	928722	66.740	ug/l	100
25) 2-Butanone	6.06	43	667876	338.461	ug/l	98
26) 2,2-Dichloropropane	6.00	77	1027047	63.797	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	536465	67.201	ug/l	98
28) Bromochloromethane	6.43	49	381812	76.626	ug/l	91
29) Tetrahydrofuran	6.45	42	297448	334.973	ug/l	98
30) Chloroform	6.65	83	1202186	67.114	ug/l	90
31) Cyclohexane	6.94	56	625141	73.298	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	1207918	66.679	ug/l	99
36) 1,1-Dichloropropene	7.13	75	739562	63.469	ug/l	98
37) Ethyl Acetate	6.17	43	307062	60.447	ug/l	95
38) Carbon Tetrachloride	7.10	117	1196314m	65.044	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	662710	71.468	ug/l	93
40) Benzene	7.44	78	1457648	65.670	ug/l	100
41) Methacrylonitrile	6.44	41	405516	66.607	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	935105	70.246	ug/l	95
43) Isopropyl Acetate	9.23	43	447291	74.987	ug/l	98
44) Trichloroethene	8.53	130	630573	68.821	ug/l	95
45) 1,2-Dichloropropane	8.93	63	370224	68.753	ug/l	97
46) Dibromomethane	9.05	93	338503	70.192	ug/l	91
47) Bromodichloromethane	9.37	83	921194	70.357	ug/l	97
48) Methyl methacrylate	9.11	41	290195	65.351	ug/l	98
49) 1,4-Dioxane	9.07	88	46250	1318.470	ug/l	90
51) 4-Methyl-2-Pentanone	10.29	43	1481364	349.752	ug/l	99
52) Toluene	10.50	92	1035520	68.178	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	748747	69.474	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	778801	69.837	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	358388	70.617	ug/l	97
56) Ethyl methacrylate	11.03	69	380969	68.675	ug/l	94
57) 1,3-Dichloropropane	11.40	76	560510	70.225	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	882538	316.547	ug/l	97
59) 2-Hexanone	11.53	43	1122542	352.103	ug/l	99
60) Dibromochloromethane	11.68	129	715013	70.931	ug/l	100
61) 1,2-Dibromoethane	11.80	107	428449	69.612	ug/l	94
64) Tetrachloroethene	11.25	164	551653	76.647	ug/l	95
65) Chlorobenzene	12.39	112	1234401	72.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	602300	74.013	ug/l	99
67) Ethyl Benzene	12.52	91	2223689	73.650	ug/l	98
68) m/p-Xylenes	12.67	106	1626743	153.560	ug/l	96
69) o-Xylene	13.05	106	711085	71.513	ug/l	91
70) Styrene	13.07	104	1254141	70.735	ug/l	96
71) Bromoform	13.23	173	420952	74.421	ug/l #	91
73) Isopropylbenzene	13.41	105	2315999	68.683	ug/l	94
74) N-amyl acetate	13.26	43	636454	70.100	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	393334	68.944	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	421661	65.997	ug/l	98
77) Bromobenzene	13.67	156	655623	69.104	ug/l	99
78) n-propylbenzene	13.77	91	2607690	63.883	ug/l	99
79) 2-Chlorotoluene	13.84	91	1621935	68.107	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	2017426	68.549	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	119184	72.418	ug/l	91
82) 4-Chlorotoluene	13.95	91	1919821	67.005	ug/l	97
83) tert-Butylbenzene	14.18	119	2172736	66.171	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	1953538	66.073	ug/l	100
85) sec-Butylbenzene	14.36	105	2143991	62.789	ug/l	96
86) p-Isopropyltoluene	14.49	119	2206329	66.602	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1099691	62.664	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1161020	70.436	ug/l	99
89) n-Butylbenzene	14.79	91	2037337	67.499	ug/l	98
90) Hexachloroethane	15.00	117	551487	63.201	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	969750	67.237	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	15.37	75	83315	66.130	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	727726	66.508	ug/l	99
94) Hexachlorobutadiene	16.03	225	586915	67.930	ug/l	98
95) Naphthalene	16.12	128	1079652	71.023	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	583816	70.424	ug/l	97

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

