

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065531.D
 Acq On : 26 Mar 2020 17:57
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:12:29 AM

Quant Time: Mar 27 01:31:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	535620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	766207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	715467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353642	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	668487	146.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.08%	
35) Dibromofluoromethane	7.92	113	714755	151.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.36%	
50) Toluene-d8	10.34	98	2781877	154.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.68%	
62) 4-Bromofluorobenzene	12.64	95	915235	163.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	410051	94.117	ug/l 98
3) Chloromethane	2.21	50	615186	114.273	ug/l 99
4) Vinyl Chloride	2.35	62	647151	121.457	ug/l 99
5) Bromomethane	2.74	94	447044	128.576	ug/l 95
6) Chloroethane	2.91	64	427424	129.800	ug/l 100
7) Trichlorofluoromethane	3.27	101	980874	124.080	ug/l 100
8) Diethyl Ether	3.70	74	341193	143.316	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	660194	128.753	ug/l 100
10) Methyl Iodide	4.29	142	881225	163.523	ug/l 99
11) Tert butyl alcohol	5.25	59	176416	673.955	ug/l 100
12) 1,1-Dichloroethene	4.06	96	644655	131.691	ug/l 98
13) Acrolein	3.93	56	331077	721.535	ug/l 100
14) Allyl chloride	4.71	41	1059744	141.367	ug/l 98
15) Acrylonitrile	5.43	53	744008	722.610	ug/l 99
16) Acetone	4.16	43	558262	608.850	ug/l 92
17) Carbon Disulfide	4.40	76	2097802	129.170	ug/l 99
18) Methyl Acetate	4.72	43	317045	135.887	ug/l 100
19) Methyl tert-butyl Ether	5.48	73	1484686	156.487	ug/l 99
20) Methylene Chloride	4.96	84	729155	127.574	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	763323	139.888	ug/l 96
22) Diisopropyl ether	6.37	45	2108912	150.077	ug/l 97
23) Vinyl Acetate	6.31	43	6148574	789.301	ug/l 100
24) 1,1-Dichloroethane	6.27	63	1254802	139.744	ug/l 98
25) 2-Butanone	7.22	43	880079	703.457	ug/l 98
26) 2,2-Dichloropropane	7.21	77	1080154	136.877	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	838825	150.119	ug/l 99
28) Bromochloromethane	7.55	49	534262	147.145	ug/l 99
29) Tetrahydrofuran	7.57	42	589427	737.910	ug/l 100
30) Chloroform	7.71	83	1273324	141.280	ug/l 97
31) Cyclohexane	7.98	56	1162424	129.987	ug/l 98
32) 1,1,1-Trichloroethane	7.91	97	1146794	137.907	ug/l 100
36) 1,1-Dichloropropene	8.11	75	1018790	140.789	ug/l 100
37) Ethyl Acetate	7.30	43	405555	144.112	ug/l 98
38) Carbon Tetrachloride	8.10	117	1052668	139.834	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1307222	150.234	ug/l	99
40) Benzene	8.36	78	2950246	145.530	ug/l	99
41) Methacrylonitrile	7.53	41	243313	159.652	ug/l	97
42) 1,2-Dichloroethane	8.43	62	788200	147.935	ug/l	100
43) Isopropyl Acetate	8.46	43	784749	151.462	ug/l	99
44) Trichloroethene	9.11	130	860514	149.926	ug/l	98
45) 1,2-Dichloropropane	9.39	63	724101	147.181	ug/l	97
46) Dibromomethane	9.48	93	383836	150.191	ug/l	99
47) Bromodichloromethane	9.67	83	997731	150.015	ug/l	98
48) Methyl methacrylate	9.46	41	376157	153.773	ug/l	99
49) 1,4-Dioxane	9.47	88	91407	3106.477	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1986438	759.372	ug/l	98
52) Toluene	10.41	92	1925107	150.465	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	995187	159.956	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1185762	157.600	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	542644	149.084	ug/l	98
56) Ethyl methacrylate	10.67	69	696115	169.867	ug/l	99
57) 1,3-Dichloropropane	10.95	76	934875	151.966	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1781346	1189.370	ug/l	100
59) 2-Hexanone	10.99	43	1367130	757.095	ug/l	100
60) Dibromochloromethane	11.14	129	720118	154.040	ug/l	100
61) 1,2-Dibromoethane	11.25	107	531937	152.644	ug/l	99
64) Tetrachloroethene	10.88	164	729418	143.155	ug/l	95
65) Chlorobenzene	11.68	112	2057111	146.388	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	769781	149.560	ug/l	99
67) Ethyl Benzene	11.75	91	3630620	150.070	ug/l	98
68) m/p-Xylenes	11.86	106	2846508	304.868	ug/l	98
69) o-Xylene	12.18	106	1299567	158.150	ug/l	100
70) Styrene	12.20	104	2284421	157.420	ug/l	99
71) Bromoform	12.37	173	432896	149.400	ug/l	# 100
73) Isopropylbenzene	12.48	105	3472027	152.368	ug/l	100
74) N-amyl acetate	12.30	43	732365	156.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	564166	140.133	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	371265m	132.038	ug/l	
77) Bromobenzene	12.77	156	867565	151.689	ug/l	99
78) n-propylbenzene	12.83	91	4030315	148.537	ug/l	98
79) 2-Chlorotoluene	12.91	91	2273634	148.369	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2851109	152.065	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	203061	155.697	ug/l	97
82) 4-Chlorotoluene	13.01	91	2364792	146.982	ug/l	99
83) tert-Butylbenzene	13.23	119	2466568	155.155	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	2863390	154.538	ug/l	99
85) sec-Butylbenzene	13.41	105	3393999	150.171	ug/l	100
86) p-Isopropyltoluene	13.53	119	3212391	155.579	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1625131	147.739	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1594578	145.617	ug/l	99
89) n-Butylbenzene	13.85	91	2909633	153.075	ug/l	98
90) Hexachloroethane	14.12	117	619218	145.506	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1399538	149.493	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	86172	140.055	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1056892	166.281	ug/l	99
94) Hexachlorobutadiene	15.28	225	638952	153.962	ug/l	100
95) Naphthalene	15.41	128	1757629	173.501	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	912077	166.105	ug/l	100

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

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