

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065920.D
 Acq On : 07 Jul 2020 13:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:38 PM

Quant Time: Jul 08 09:28:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	584708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287059	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	20276	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	7.91	113	22445	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	
50) Toluene-d8	10.34	98	75915	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
62) 4-Bromofluorobenzene	12.64	95	25608	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	19669	5.434	ug/l	88
3) Chloromethane	2.21	50	19832	5.527	ug/l	99
4) Vinyl Chloride	2.35	62	17824	5.410	ug/l	99
5) Bromomethane	2.77	94	12350	5.918	ug/l	98
6) Chloroethane	2.92	64	11071	5.621	ug/l	92
7) Trichlorofluoromethane	3.27	101	38064	5.391	ug/l	91
8) Diethyl Ether	3.71	74	10503	5.422	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	23073	5.463	ug/l	97
10) Methyl Iodide	4.30	142	16050	4.001	ug/l #	90
11) Tert butyl alcohol	5.21	59	7686m	30.069	ug/l	
12) 1,1-Dichloroethene	4.06	96	21732	5.508	ug/l #	95
13) Acrolein	3.92	56	6505	30.556	ug/l	94
14) Allyl chloride	4.71	41	33720	5.043	ug/l	96
15) Acrylonitrile	5.41	53	21067	24.839	ug/l	94
16) Acetone	4.16	43	23696	28.022	ug/l	99
17) Carbon Disulfide	4.41	76	67569	5.374	ug/l	99
18) Methyl Acetate	4.72	43	12552	6.332	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	39893	4.775	ug/l	100
20) Methylene Chloride	4.97	84	43157	7.184	ug/l #	76
21) trans-1,2-Dichloroethene	5.47	96	23512	5.296	ug/l	87
22) Diisopropyl ether	6.36	45	62622	4.983	ug/l	98
23) Vinyl Acetate	6.30	43	166216	23.173	ug/l	97
24) 1,1-Dichloroethane	6.26	63	39756	5.306	ug/l	97
25) 2-Butanone	7.21	43	29239	26.167	ug/l	99
26) 2,2-Dichloropropane	7.20	77	35544	5.422	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	24669	5.172	ug/l	97
28) Bromochloromethane	7.54	49	14380	5.080	ug/l	98
29) Tetrahydrofuran	7.56	42	18858	26.540	ug/l	95
30) Chloroform	7.71	83	40657	5.352	ug/l	90
31) Cyclohexane	7.98	56	43745	5.933	ug/l #	78
32) 1,1,1-Trichloroethane	7.90	97	36249	5.229	ug/l	97
36) 1,1-Dichloropropene	8.11	75	32858	5.274	ug/l	95
37) Ethyl Acetate	7.29	43	13552	5.191	ug/l #	94
38) Carbon Tetrachloride	8.10	117	36109	5.407	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	38045	4.974	ug/l	96
40) Benzene	8.34	78	87728	5.097	ug/l	100
41) Methacrylonitrile	7.53	41	7760	5.001	ug/l #	91
42) 1,2-Dichloroethane	8.42	62	25834	5.298	ug/l	99
43) Isopropyl Acetate	8.45	43	23744	4.886	ug/l	97
44) Trichloroethene	9.11	130	25647	5.071	ug/l	93
45) 1,2-Dichloropropane	9.39	63	21656	5.069	ug/l	93
46) Dibromomethane	9.48	93	11661	5.243	ug/l	98
47) Bromodichloromethane	9.66	83	30649	5.137	ug/l	92
48) Methyl methacrylate	9.46	41	10873	4.445	ug/l	89
49) 1,4-Dioxane	9.46	88	2913	110.224	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	62016	25.243	ug/l	92
52) Toluene	10.40	92	53978	4.929	ug/l	93
53) t-1,3-Dichloropropene	10.62	75	27186	4.846	ug/l #	87
54) cis-1,3-Dichloropropene	10.09	75	33633	4.962	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	15627	5.099	ug/l	95
56) Ethyl methacrylate	10.66	69	16408	4.384	ug/l	93
57) 1,3-Dichloropropane	10.94	76	26743	4.990	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	45461	25.079	ug/l	98
59) 2-Hexanone	10.98	43	40511	23.977	ug/l	95
60) Dibromochloromethane	11.14	129	21068	5.032	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16666	5.455	ug/l	90
64) Tetrachloroethene	10.88	164	22567	5.307	ug/l	94
65) Chlorobenzene	11.67	112	58978	5.005	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	22822	5.178	ug/l	96
67) Ethyl Benzene	11.75	91	104392	4.987	ug/l	98
68) m/p-Xylenes	11.86	106	78158	9.828	ug/l	99
69) o-Xylene	12.18	106	34043	4.699	ug/l	95
70) Styrene	12.20	104	61421	4.911	ug/l	97
71) Bromoform	12.37	173	13033	5.226	ug/l #	99
73) Isopropylbenzene	12.48	105	93525	4.668	ug/l	98
74) N-amyl acetate	12.29	43	21247	4.726	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	16900	5.081	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	14166m	5.907	ug/l	
77) Bromobenzene	12.76	156	24000	4.939	ug/l	97
78) n-propylbenzene	12.82	91	113066	4.814	ug/l	97
79) 2-Chlorotoluene	12.91	91	66766	5.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	77027	4.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	5044	4.501	ug/l	94
82) 4-Chlorotoluene	13.01	91	69801	4.993	ug/l	99
83) tert-Butylbenzene	13.23	119	63493	4.548	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	78895	4.837	ug/l	100
85) sec-Butylbenzene	13.40	105	94364	4.769	ug/l	98
86) p-Isopropyltoluene	13.52	119	85475	4.723	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	44693	4.915	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	45514	5.017	ug/l	93
89) n-Butylbenzene	13.84	91	81532	4.798	ug/l	96
90) Hexachloroethane	14.11	117	18024	4.939	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	39690	4.994	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2835	5.097	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	27349	4.829	ug/l	98
94) Hexachlorobutadiene	15.27	225	17477	5.101	ug/l	95
95) Naphthalene	15.40	128	43924	4.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	23179	4.745	ug/l	98

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

