

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066697.D
 Acq On : 15 Sep 2020 14:22
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:18 AM

Quant Time: Sep 15 16:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	408013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	660953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	599682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279133	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	79529	18.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.54%	
35) Dibromofluoromethane	7.91	113	79170	19.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.08%	
50) Toluene-d8	10.34	98	273114	18.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.84%	
62) 4-Bromofluorobenzene	12.63	95	94434	18.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	79183	23.217	ug/l	97
3) Chloromethane	2.21	50	97098	21.869	ug/l	99
4) Vinyl Chloride	2.35	62	98897	21.283	ug/l	97
5) Bromomethane	2.76	94	68961	20.920	ug/l	96
6) Chloroethane	2.91	64	59927	20.702	ug/l	98
7) Trichlorofluoromethane	3.27	101	167552	20.876	ug/l	95
8) Diethyl Ether	3.71	74	41410	20.604	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90551	20.529	ug/l	99
10) Methyl Iodide	4.30	142	82085	19.614	ug/l	97
11) Tert butyl alcohol	5.21	59	44411	101.118	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	85013	20.823	ug/l	92
13) Acrolein	3.92	56	30627	99.754	ug/l	99
14) Allyl chloride	4.71	41	132608	20.225	ug/l	99
15) Acrylonitrile	5.43	53	83646	95.006	ug/l	98
16) Acetone	4.16	43	84723	95.571	ug/l	100
17) Carbon Disulfide	4.41	76	277724	21.648	ug/l	97
18) Methyl Acetate	4.71	43	40721	19.029	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	177376	19.506	ug/l	96
20) Methylene Chloride	4.96	84	118193	19.685	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	97464	20.491	ug/l	95
22) Diisopropyl ether	6.36	45	275395	20.672	ug/l	97
23) Vinyl Acetate	6.30	43	755787	101.989	ug/l	97
24) 1,1-Dichloroethane	6.26	63	170184	20.131	ug/l	97
25) 2-Butanone	7.21	43	112042	97.061	ug/l	99
26) 2,2-Dichloropropane	7.20	77	156691	20.044	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103992	19.985	ug/l	97
28) Bromochloromethane	7.55	49	68320	21.636	ug/l	98
29) Tetrahydrofuran	7.56	42	69918	98.997	ug/l	97
30) Chloroform	7.71	83	178881	19.881	ug/l	96
31) Cyclohexane	7.98	56	154538	20.097	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	164398	19.968	ug/l	96
36) 1,1-Dichloropropene	8.11	75	141846	20.873	ug/l	99
37) Ethyl Acetate	7.29	43	52146	20.270	ug/l #	93
38) Carbon Tetrachloride	8.10	117	147433	20.430	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157412	20.251	ug/l	98
40) Benzene	8.35	78	384077	20.891	ug/l	95
41) Methacrylonitrile	7.53	41	25847m	20.751	ug/l	
42) 1,2-Dichloroethane	8.42	62	118055	20.727	ug/l	99
43) Isopropyl Acetate	8.45	43	94632	19.543	ug/l	98
44) Trichloroethene	9.11	130	100316	20.408	ug/l	88
45) 1,2-Dichloropropane	9.38	63	93800	20.638	ug/l	99
46) Dibromomethane	9.47	93	51718	20.708	ug/l	98
47) Bromodichloromethane	9.66	83	141518	20.795	ug/l	97
48) Methyl methacrylate	9.45	41	44574	18.097	ug/l	87
49) 1,4-Dioxane	9.46	88	11308	422.678	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	250135	100.337	ug/l	97
52) Toluene	10.40	92	245172	20.817	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	121858	20.044	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	148943	20.626	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	68401	20.772	ug/l	97
56) Ethyl methacrylate	10.66	69	71292	19.078	ug/l	92
57) 1,3-Dichloropropane	10.94	76	116768	20.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	185425	112.984	ug/l	99
59) 2-Hexanone	10.98	43	167466	99.977	ug/l	97
60) Dibromochloromethane	11.14	129	86251	20.102	ug/l	98
61) 1,2-Dibromoethane	11.24	107	63914	20.234	ug/l	99
64) Tetrachloroethene	10.87	164	84487	20.639	ug/l	91
65) Chlorobenzene	11.67	112	251846	20.284	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94122	20.546	ug/l	99
67) Ethyl Benzene	11.74	91	457160	20.328	ug/l	96
68) m/p-Xylenes	11.85	106	355082	41.775	ug/l	97
69) o-Xylene	12.18	106	152067	20.245	ug/l	100
70) Styrene	12.20	104	272270	20.595	ug/l	99
71) Bromoform	12.36	173	43788	19.046	ug/l #	96
73) Isopropylbenzene	12.48	105	422327	20.267	ug/l	99
74) N-amyl acetate	12.29	43	84425	19.206	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	70696	19.966	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	46099m	19.513	ug/l	
77) Bromobenzene	12.76	156	94959	19.772	ug/l	98
78) n-propylbenzene	12.82	91	519297	20.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	293710	20.449	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	364639	20.696	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22369	20.205	ug/l	98
82) 4-Chlorotoluene	13.00	91	315425	20.769	ug/l	99
83) tert-Butylbenzene	13.23	119	295016	20.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	371509	21.099	ug/l	99
85) sec-Butylbenzene	13.40	105	426678	20.495	ug/l	99
86) p-Isopropyltoluene	13.52	119	380332	20.095	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	186983	20.293	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184027	20.056	ug/l	99
89) n-Butylbenzene	13.85	91	357264	19.851	ug/l	99
90) Hexachloroethane	14.11	117	79987	20.572	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	158221	20.040	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	19.529	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	94675	19.826	ug/l	98
94) Hexachlorobutadiene	15.27	225	57268	19.905	ug/l	99
95) Naphthalene	15.41	128	156096	18.709	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	82408	19.757	ug/l	100

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

