

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066491.D
 Acq On : 31 Aug 2020 18:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 12:38:58 PM

Quant Time: Sep 01 02:23:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	145398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	201959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	188509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	105494	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	83892	58.85	ug/l	0.00
Spiked Amount			Recovery	=	117.70%	
35) Dibromofluoromethane	7.91	113	65163	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.34	98	241807	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.63	95	87596	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	55101	44.576	ug/l	98
3) Chloromethane	2.20	50	33611	38.360	ug/l	100
4) Vinyl Chloride	2.35	62	41506	44.120	ug/l	98
5) Bromomethane	2.76	94	37451	53.224	ug/l	93
6) Chloroethane	2.91	64	28725	47.686	ug/l	96
7) Trichlorofluoromethane	3.27	101	136896	53.514	ug/l	95
8) Diethyl Ether	3.71	74	25377	44.275	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	4.09	101	57831	45.808	ug/l	96
10) Methyl Iodide	4.30	142	62160	43.170	ug/l	92
11) Tert butyl alcohol	5.22	59	21845	271.034	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	52003	43.883	ug/l	94
13) Acrolein	3.92	56	8119	128.262	ug/l	92
14) Allyl chloride	4.72	41	62672	39.622	ug/l #	73
15) Acrylonitrile	5.42	53	48165	209.444	ug/l	99
16) Acetone	4.16	43	55263	215.039	ug/l	97
17) Carbon Disulfide	4.41	76	141434	39.382	ug/l	100
18) Methyl Acetate	4.71	43	20174	41.826	ug/l #	89
19) Methyl tert-butyl Ether	5.47	73	150322	52.681	ug/l	98
20) Methylene Chloride	4.96	84	64699	46.693	ug/l #	91
21) trans-1,2-Dichloroethene	5.47	96	63274	45.869	ug/l	96
22) Diisopropyl ether	6.36	45	125641	41.027	ug/l #	87
23) Vinyl Acetate	6.30	43	408898	215.683	ug/l	95
24) 1,1-Dichloroethane	6.26	63	97091	44.863	ug/l #	93
25) 2-Butanone	7.21	43	57382	196.683	ug/l	95
26) 2,2-Dichloropropane	7.20	77	120726	52.048	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	69237	46.842	ug/l	98
28) Bromochloromethane	7.55	49	32862	44.083	ug/l	81
29) Tetrahydrofuran	7.56	42	32039	193.345	ug/l #	88
30) Chloroform	7.71	83	127705	51.002	ug/l	99
31) Cyclohexane	7.98	56	71845	36.299	ug/l	87
32) 1,1,1-Trichloroethane	7.90	97	140005	54.633	ug/l	98
36) 1,1-Dichloropropene	8.10	75	86243	46.801	ug/l	99
37) Ethyl Acetate	7.29	43	25790	41.149	ug/l #	93
38) Carbon Tetrachloride	8.09	117	138367	57.633	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	96940	44.658	ug/l	99
40) Benzene	8.35	78	226861	46.798	ug/l	94
41) Methacrylonitrile	7.53	41	18020m	46.623	ug/l	
42) 1,2-Dichloroethane	8.42	62	101408	59.394	ug/l	95
43) Isopropyl Acetate	8.45	43	57358	45.596	ug/l	99
44) Trichloroethene	9.11	130	79478	50.456	ug/l	99
45) 1,2-Dichloropropane	9.38	63	47384	43.116	ug/l	98
46) Dibromomethane	9.47	93	35077	51.263	ug/l	98
47) Bromodichloromethane	9.66	83	101217	53.789	ug/l	99
48) Methyl methacrylate	9.45	41	29189	44.997	ug/l #	83
49) 1,4-Dioxane	9.45	88	7428	934.889	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	133377	219.170	ug/l	98
52) Toluene	10.40	92	167721	51.068	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	92765	51.953	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	96110	47.954	ug/l #	86
55) 1,1,2-Trichloroethane	10.80	97	43752	47.232	ug/l	89
56) Ethyl methacrylate	10.66	69	49577	46.233	ug/l #	83
57) 1,3-Dichloropropane	10.94	76	72695	47.443	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	97767	219.518	ug/l	90
59) 2-Hexanone	10.98	43	93747	218.395	ug/l	97
60) Dibromochloromethane	11.14	129	72917	52.222	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43140	47.323	ug/l	100
64) Tetrachloroethene	10.87	164	72733	50.862	ug/l	96
65) Chlorobenzene	11.67	112	187946	50.114	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	80464	52.499	ug/l	97
67) Ethyl Benzene	11.74	91	336008	50.897	ug/l	95
68) m/p-Xylenes	11.85	106	259252	103.031	ug/l	96
69) o-Xylene	12.18	106	119837	51.194	ug/l	98
70) Styrene	12.20	104	209001	51.999	ug/l	97
71) Bromoform	12.36	173	44918	51.657	ug/l #	97
73) Isopropylbenzene	12.48	105	341068	48.262	ug/l	100
74) N-amyl acetate	12.29	43	51461	40.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	40095	39.716	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	37140m	50.043	ug/l	
77) Bromobenzene	12.76	156	87714	48.901	ug/l	95
78) n-propylbenzene	12.82	91	370913	45.775	ug/l	96
79) 2-Chlorotoluene	12.91	91	221147	47.785	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	298206	48.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14937	42.722	ug/l	87
82) 4-Chlorotoluene	13.01	91	231119	47.137	ug/l	95
83) tert-Butylbenzene	13.23	119	262410	49.513	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	306029	51.063	ug/l	97
85) sec-Butylbenzene	13.40	105	326002	46.948	ug/l	98
86) p-Isopropyltoluene	13.52	119	334571	49.969	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	160892	48.053	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	161371	48.001	ug/l	99
89) n-Butylbenzene	13.84	91	272781	46.168	ug/l	98
90) Hexachloroethane	14.11	117	59621	45.077	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	143844	49.905	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10469	49.444	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114418	50.847	ug/l	98
94) Hexachlorobutadiene	15.27	225	73700	52.704	ug/l	96
95) Naphthalene	15.40	128	174783	49.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	97019	50.330	ug/l	98

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

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