

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066947.D
 Acq On : 29 Sep 2020 19:04
 Operator : VA/SY
 Sample : L4179-10MSD
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:21:58 PM

Quant Time: Sep 30 03:56:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	345321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	576753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	490777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	203762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	165114	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	7.91	113	184642	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.34	98	591555	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.63	95	194056	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	124782	52.062	ug/l	95
3) Chloromethane	2.21	50	140472	44.274	ug/l	97
4) Vinyl Chloride	2.35	62	145290	46.352	ug/l	95
5) Bromomethane	2.77	94	108140	49.084	ug/l	99
6) Chloroethane	2.93	64	92532	47.537	ug/l	90
7) Trichlorofluoromethane	3.27	101	304381	47.283	ug/l	97
8) Diethyl Ether	3.71	74	95901	58.681	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	173081	46.367	ug/l	98
10) Methyl Iodide	4.30	142	191851	58.243	ug/l	97
11) Tert butyl alcohol	5.21	59	51275	251.390	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	177556	52.508	ug/l	97
13) Acrolein	3.92	56	59495	238.618	ug/l	90
14) Allyl chloride	4.71	41	264437	53.256	ug/l	96
15) Acrylonitrile	5.43	53	191916	264.987	ug/l	98
16) Acetone	4.16	43	145473	202.895	ug/l	100
17) Carbon Disulfide	4.41	76	487936	47.198	ug/l	98
18) Methyl Acetate	4.71	43	113085	72.307	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	435896	59.359	ug/l	98
20) Methylene Chloride	4.96	84	233410	61.679	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	215395	55.013	ug/l	98
22) Diisopropyl ether	6.37	45	601698	58.936	ug/l	96
23) Vinyl Acetate	6.31	43	1254783	226.628	ug/l	98
24) 1,1-Dichloroethane	6.27	63	374499	54.832	ug/l	98
25) 2-Butanone	7.21	43	220779	256.236	ug/l	97
26) 2,2-Dichloropropane	7.21	77	294695	47.076	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	246721	57.996	ug/l	97
28) Bromochloromethane	7.54	49	158379	56.131	ug/l #	91
29) Tetrahydrofuran	7.56	42	144987	262.617	ug/l	95
30) Chloroform	7.71	83	408214	55.447	ug/l	99
31) Cyclohexane	7.98	56	237226	38.602	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	346433	52.017	ug/l	98
36) 1,1-Dichloropropene	8.11	75	268449	46.916	ug/l	98
37) Ethyl Acetate	7.29	43	100115	48.400	ug/l #	93
38) Carbon Tetrachloride	8.10	117	292096	46.694	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	220466	33.559	ug/l	99
40) Benzene	8.35	78	838646	52.590	ug/l	99
41) Methacrylonitrile	7.53	41	62288	48.966	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	247500	52.500	ug/l	100
43) Isopropyl Acetate	8.45	43	196116	49.177	ug/l	98
44) Trichloroethene	9.11	130	231460	50.922	ug/l	96
45) 1,2-Dichloropropane	9.38	63	215775	53.780	ug/l	98
46) Dibromomethane	9.47	93	117186	53.757	ug/l	97
47) Bromodichloromethane	9.66	83	314652	53.732	ug/l #	98
48) Methyl methacrylate	9.46	41	107866	54.859	ug/l	97
49) 1,4-Dioxane	9.46	88	27535	1126.991	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	534854	264.685	ug/l	99
52) Toluene	10.40	92	528940	51.494	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	269066	53.983	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	331408	54.530	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	158278	52.816	ug/l	98
56) Ethyl methacrylate	10.66	69	179804	56.007	ug/l	97
57) 1,3-Dichloropropane	10.94	76	262991	53.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	377077	248.060	ug/l	97
59) 2-Hexanone	10.98	43	347667	255.127	ug/l	96
60) Dibromochloromethane	11.14	129	210927	53.929	ug/l	99
61) 1,2-Dibromoethane	11.24	107	152831	54.829	ug/l	99
64) Tetrachloroethene	10.87	164	188587	53.421	ug/l	96
65) Chlorobenzene	11.67	112	551739	54.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	218195	56.433	ug/l	99
67) Ethyl Benzene	11.74	91	930133	51.840	ug/l	97
68) m/p-Xylenes	11.85	106	716300	105.444	ug/l	99
69) o-Xylene	12.18	106	337371	54.923	ug/l	98
70) Styrene	12.20	104	585624	54.899	ug/l	99
71) Bromoform	12.36	173	108070	55.204	ug/l #	99
73) Isopropylbenzene	12.48	105	824016	55.980	ug/l	98
74) N-amyl acetate	12.29	43	169002	58.793	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	155529	61.233	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	98398m	58.271	ug/l	
77) Bromobenzene	12.76	156	215855	62.701	ug/l	93
78) n-propylbenzene	12.82	91	905977	51.160	ug/l	99
79) 2-Chlorotoluene	12.91	91	553907	54.890	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	677767	54.265	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	42895	63.555	ug/l	98
82) 4-Chlorotoluene	13.01	91	577884	54.325	ug/l	99
83) tert-Butylbenzene	13.23	119	522034	50.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	685291	55.332	ug/l	98
85) sec-Butylbenzene	13.40	105	656103	44.456	ug/l	99
86) p-Isopropyltoluene	13.52	119	614544	46.195	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	358165	52.660	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	355906	52.686	ug/l	99
89) n-Butylbenzene	13.85	91	481502	38.080	ug/l	99
90) Hexachloroethane	14.11	117	116288	43.057	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	314585	54.063	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23897	58.486	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	149554	40.828	ug/l	98
94) Hexachlorobutadiene	15.27	225	51077	23.269	ug/l	98
95) Naphthalene	15.41	128	349923	56.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	133685	42.284	ug/l	99

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

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