

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066701.D
 Acq On : 15 Sep 2020 17:04
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD091520

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:25 AM

Quant Time: Sep 16 01:50:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	427440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	696707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	624432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233379	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	7.91	113	220942	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	10.33	98	800298	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.63	95	269413	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	161126	50.996	ug/l	97
3) Chloromethane	2.21	50	219335	47.154	ug/l	100
4) Vinyl Chloride	2.35	62	240949	49.496	ug/l	98
5) Bromomethane	2.77	94	165540	47.936	ug/l	98
6) Chloroethane	2.93	64	146828	48.416	ug/l	95
7) Trichlorofluoromethane	3.27	101	411945	48.992	ug/l	99
8) Diethyl Ether	3.70	74	108377	51.473	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	226832	49.088	ug/l	99
10) Methyl Iodide	4.30	142	219792	50.131	ug/l	99
11) Tert butyl alcohol	5.22	59	81166	283.236	ug/l	98
12) 1,1-Dichloroethene	4.07	96	213051	49.813	ug/l	97
13) Acrolein	3.93	56	75993	236.264	ug/l	96
14) Allyl chloride	4.71	41	350761	51.067	ug/l	99
15) Acrylonitrile	5.43	53	242361	262.765	ug/l	98
16) Acetone	4.16	43	227588	245.061	ug/l	93
17) Carbon Disulfide	4.41	76	684963	50.966	ug/l	95
18) Methyl Acetate	4.71	43	109542	55.670	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	518704	54.448	ug/l	97
20) Methylene Chloride	4.96	84	255392	51.358	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	258068	51.790	ug/l	97
22) Diisopropyl ether	6.36	45	721812	51.718	ug/l	99
23) Vinyl Acetate	6.30	43	2143531	276.109	ug/l	98
24) 1,1-Dichloroethane	6.26	63	442189	49.928	ug/l	100
25) 2-Butanone	7.21	43	315351	260.771	ug/l	98
26) 2,2-Dichloropropane	7.21	77	398334	48.638	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	273216	50.119	ug/l	95
28) Bromochloromethane	7.54	49	163111	49.308	ug/l	98
29) Tetrahydrofuran	7.56	42	205098	277.200	ug/l	98
30) Chloroform	7.71	83	472412	50.119	ug/l	97
31) Cyclohexane	7.98	56	405984	50.397	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	436064	50.557	ug/l	99
36) 1,1-Dichloropropene	8.11	75	369538	51.589	ug/l	100
37) Ethyl Acetate	7.29	43	145806	53.767	ug/l	98
38) Carbon Tetrachloride	8.10	117	391191	51.426	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	435144	53.109	ug/l	98
40) Benzene	8.35	78	991924	51.185	ug/l	97
41) Methacrylonitrile	7.52	41	65316m	45.496	ug/l	
42) 1,2-Dichloroethane	8.42	62	305438	50.874	ug/l	98
43) Isopropyl Acetate	8.45	43	274740	53.826	ug/l	98
44) Trichloroethene	9.11	130	267366	51.601	ug/l	96
45) 1,2-Dichloropropane	9.38	63	248618	51.894	ug/l	98
46) Dibromomethane	9.47	93	139371	52.940	ug/l	99
47) Bromodichloromethane	9.66	83	366715	51.120	ug/l	97
48) Methyl methacrylate	9.45	41	149492	57.580	ug/l	99
49) 1,4-Dioxane	9.46	88	31081	1102.147	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	710676	270.445	ug/l	99
52) Toluene	10.40	92	640054	51.557	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	340603	53.149	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	407785	53.574	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	177816	51.229	ug/l	97
56) Ethyl methacrylate	10.66	69	222771	56.556	ug/l	98
57) 1,3-Dichloropropane	10.94	76	312562	51.312	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	423869	245.019	ug/l	99
59) 2-Hexanone	10.98	43	495086	280.398	ug/l	98
60) Dibromochloromethane	11.14	129	236333	52.255	ug/l	98
61) 1,2-Dibromoethane	11.24	107	174262	52.337	ug/l	97
64) Tetrachloroethene	10.87	164	215511	50.559	ug/l	97
65) Chlorobenzene	11.67	112	649964	50.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	243917	51.135	ug/l	98
67) Ethyl Benzene	11.74	91	1224096	52.273	ug/l	97
68) m/p-Xylenes	11.85	106	918888	103.822	ug/l	100
69) o-Xylene	12.18	106	416428	53.243	ug/l	100
70) Styrene	12.20	104	725577	52.709	ug/l	98
71) Bromoform	12.36	173	128440	53.653	ug/l #	97
73) Isopropylbenzene	12.48	105	1152065	53.119	ug/l	100
74) N-amyl acetate	12.29	43	254419	55.610	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	191475	51.955	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	147761m	59.419	ug/l	
77) Bromobenzene	12.76	156	252739	50.560	ug/l	99
78) n-propylbenzene	12.82	91	1402537	53.049	ug/l	99
79) 2-Chlorotoluene	12.91	91	773066	51.712	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	965365	52.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	63306	54.941	ug/l	99
82) 4-Chlorotoluene	13.01	91	821319	51.958	ug/l	99
83) tert-Butylbenzene	13.23	119	817229	54.070	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	978197	53.376	ug/l	99
85) sec-Butylbenzene	13.40	105	1155640	53.333	ug/l	99
86) p-Isopropyltoluene	13.52	119	1070465	54.340	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	496043	51.723	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	491948	51.513	ug/l	98
89) n-Butylbenzene	13.84	91	1016290	54.255	ug/l	99
90) Hexachloroethane	14.11	117	207796	51.348	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	419131	51.005	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32064	53.821	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	272380	54.803	ug/l	99
94) Hexachlorobutadiene	15.27	225	152841	51.041	ug/l	97
95) Naphthalene	15.40	128	503115	57.937	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	238505	54.940	ug/l	100

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

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