

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064934.D
 Acq On : 23 Jan 2020 13:59
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV012320

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:07 PM

Quant Time: Jan 23 14:21:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	515750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	223262	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	7.91	113	220855	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	10.34	98	864145	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.64	95	268299	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199245	51.280	ug/l	98
3) Chloromethane	2.21	50	284679	49.991	ug/l	94
4) Vinyl Chloride	2.35	62	326495	49.919	ug/l	98
5) Bromomethane	2.77	94	209236	47.558	ug/l	99
6) Chloroethane	2.93	64	205452	47.647	ug/l	96
7) Trichlorofluoromethane	3.27	101	495739	49.078	ug/l	98
8) Diethyl Ether	3.71	74	101233	44.394	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233316	49.647	ug/l	99
10) Methyl Iodide	4.30	142	240239	48.160	ug/l	100
11) Tert butyl alcohol	5.25	59	67311	246.215	ug/l	99
12) 1,1-Dichloroethene	4.06	96	220893	49.202	ug/l	93
13) Acrolein	3.93	56	76180	222.284	ug/l	95
14) Allyl chloride	4.71	41	359761	50.244	ug/l	99
15) Acrylonitrile	5.43	53	230173	233.095	ug/l	99
16) Acetone	4.17	43	258208	217.092	ug/l	96
17) Carbon Disulfide	4.40	76	733367	49.634	ug/l	99
18) Methyl Acetate	4.73	43	104138	44.946	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	483021	48.151	ug/l	100
20) Methylene Chloride	4.97	84	243881	50.797	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	255775	49.450	ug/l	95
22) Diisopropyl ether	6.37	45	704187	49.347	ug/l	98
23) Vinyl Acetate	6.31	43	2051211	245.511	ug/l	100
24) 1,1-Dichloroethane	6.26	63	426090	48.632	ug/l	98
25) 2-Butanone	7.21	43	309233	231.367	ug/l	94
26) 2,2-Dichloropropane	7.21	77	393921	49.568	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	268428	48.621	ug/l	100
28) Bromochloromethane	7.55	49	175468	50.077	ug/l	98
29) Tetrahydrofuran	7.57	42	183883	222.983	ug/l	99
30) Chloroform	7.71	83	436429	48.187	ug/l	99
31) Cyclohexane	7.98	56	406146	47.122	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	413652	49.094	ug/l	99
36) 1,1-Dichloropropene	8.11	75	355776	49.742	ug/l	99
37) Ethyl Acetate	7.30	43	137717	46.615	ug/l	98
38) Carbon Tetrachloride	8.10	117	375526	49.675	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	433008	51.783	ug/l	100
40) Benzene	8.36	78	970998	49.293	ug/l	96
41) Methacrylonitrile	7.53	41	81477	51.195	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	276774	47.167	ug/l	99
43) Isopropyl Acetate	8.46	43	263546	46.962	ug/l	100
44) Trichloroethene	9.11	130	273205	49.556	ug/l	99
45) 1,2-Dichloropropane	9.39	63	229771	48.116	ug/l	98
46) Dibromomethane	9.48	93	126192	48.402	ug/l	97
47) Bromodichloromethane	9.67	83	331501	48.864	ug/l	99
48) Methyl methacrylate	9.46	41	135603	52.508	ug/l	95
49) 1,4-Dioxane	9.47	88	25878	855.828	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	656679	233.863	ug/l	99
52) Toluene	10.41	92	631387	49.715	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	319644	49.464	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	373041	49.305	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	165888	47.237	ug/l	97
56) Ethyl methacrylate	10.67	69	210036	50.014	ug/l	99
57) 1,3-Dichloropropane	10.95	76	285165	47.343	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	315485	226.123	ug/l	99
59) 2-Hexanone	10.99	43	480569	248.118	ug/l	99
60) Dibromochloromethane	11.14	129	222693	47.444	ug/l	99
61) 1,2-Dibromoethane	11.25	107	161289	47.697	ug/l	99
64) Tetrachloroethene	10.88	164	237355	49.998	ug/l	98
65) Chlorobenzene	11.68	112	652962	48.953	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	246589	49.157	ug/l	99
67) Ethyl Benzene	11.75	91	1214036	51.268	ug/l	99
68) m/p-Xylenes	11.86	106	930672	102.076	ug/l	98
69) o-Xylene	12.18	106	414584	51.235	ug/l	98
70) Styrene	12.20	104	729279	50.593	ug/l	99
71) Bromoform	12.37	173	132347	47.462	ug/l #	100
73) Isopropylbenzene	12.48	105	1134068	51.905	ug/l	100
74) N-amyl acetate	12.30	43	237015	48.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	172587	46.998	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	119556m	45.060	ug/l	
77) Bromobenzene	12.77	156	267838	50.101	ug/l	98
78) n-propylbenzene	12.83	91	1356787	52.217	ug/l	100
79) 2-Chlorotoluene	12.91	91	727034	51.005	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	928576	51.861	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	58979	47.463	ug/l	99
82) 4-Chlorotoluene	13.01	91	761331	50.363	ug/l	100
83) tert-Butylbenzene	13.23	119	790283	52.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	930653	51.309	ug/l	100
85) sec-Butylbenzene	13.41	105	1121520	52.129	ug/l	100
86) p-Isopropyltoluene	13.53	119	1062060	52.754	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	518469	50.547	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	500214	49.135	ug/l	99
89) n-Butylbenzene	13.86	91	967967	52.685	ug/l	99
90) Hexachloroethane	14.12	117	194797	50.175	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	425137	48.821	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28049	47.729	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	307404	51.027	ug/l	99
94) Hexachlorobutadiene	15.28	225	193432	50.762	ug/l	97
95) Naphthalene	15.41	128	502409	51.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	265169	50.765	ug/l	99

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

