

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066608.D
 Acq On : 10 Sep 2020 11:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:17:54 AM

Quant Time: Sep 11 02:14:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	386045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	627256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	557096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233596	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.91	113	217456	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.34	98	797850	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.63	95	268399	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	144697	44.996	ug/l	92
3) Chloromethane	2.21	50	198400	40.638	ug/l	96
4) Vinyl Chloride	2.35	62	224950	41.543	ug/l	95
5) Bromomethane	2.77	94	147416	42.368	ug/l	88
6) Chloroethane	2.92	64	140061	40.724	ug/l	100
7) Trichlorofluoromethane	3.27	101	350204	43.780	ug/l	99
8) Diethyl Ether	3.71	74	88347	43.860	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	191862	44.318	ug/l	98
10) Methyl Iodide	4.30	142	169677	43.534	ug/l	99
11) Tert butyl alcohol	5.21	59	62227	204.783	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	168852	43.413	ug/l	93
13) Acrolein	3.92	56	55528	290.752	ug/l	93
14) Allyl chloride	4.71	41	282800	44.366	ug/l	98
15) Acrylonitrile	5.41	53	197119	227.806	ug/l	98
16) Acetone	4.16	43	246169	286.440	ug/l	100
17) Carbon Disulfide	4.41	76	537979	42.075	ug/l	97
18) Methyl Acetate	4.71	43	92941	45.367	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	425970	46.703	ug/l	98
20) Methylene Chloride	4.97	84	204415	42.676	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	203756	44.116	ug/l	94
22) Diisopropyl ether	6.36	45	604634	46.126	ug/l	98
23) Vinyl Acetate	6.30	43	1789706	239.923	ug/l	100
24) 1,1-Dichloroethane	6.26	63	360848	43.775	ug/l	98
25) 2-Butanone	7.21	43	290263	251.601	ug/l	96
26) 2,2-Dichloropropane	7.20	77	343639	45.447	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	219839	44.262	ug/l	98
28) Bromochloromethane	7.54	49	163326	51.464	ug/l	100
29) Tetrahydrofuran	7.56	42	171079	238.109	ug/l	98
30) Chloroform	7.71	83	382898	43.906	ug/l	99
31) Cyclohexane	7.98	56	331191	43.464	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	362394	44.199	ug/l	99
36) 1,1-Dichloropropene	8.10	75	296921	45.485	ug/l	100
37) Ethyl Acetate	7.29	43	122564	47.151	ug/l	98
38) Carbon Tetrachloride	8.09	117	323916	46.945	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	351496	48.221	ug/l	99
40) Benzene	8.35	78	790256	44.202	ug/l	100
41) Methacrylonitrile	7.52	41	55537m	44.138	ug/l	
42) 1,2-Dichloroethane	8.42	62	262217	45.267	ug/l	99
43) Isopropyl Acetate	8.45	43	237998	47.778	ug/l	98
44) Trichloroethene	9.11	130	210042	44.788	ug/l	96
45) 1,2-Dichloropropane	9.38	63	199506	44.374	ug/l	96
46) Dibromomethane	9.47	93	111649	45.010	ug/l	96
47) Bromodichloromethane	9.66	83	297129	44.274	ug/l	100
48) Methyl methacrylate	9.45	41	122148	48.493	ug/l	97
49) 1,4-Dioxane	9.46	88	25871	950.675	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	617126	245.647	ug/l	98
52) Toluene	10.40	92	518035	45.775	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	280287	47.311	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	327325	46.008	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	145620	45.658	ug/l	98
56) Ethyl methacrylate	10.66	69	186284	50.164	ug/l	98
57) 1,3-Dichloropropane	10.94	76	250857	44.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	435983	256.684	ug/l	99
59) 2-Hexanone	10.98	43	449105	265.831	ug/l	100
60) Dibromochloromethane	11.14	129	192307	45.598	ug/l	98
61) 1,2-Dibromoethane	11.24	107	143478	46.241	ug/l	99
64) Tetrachloroethene	10.87	164	167633	44.691	ug/l	96
65) Chlorobenzene	11.67	112	527066	45.840	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	197174	44.932	ug/l	97
67) Ethyl Benzene	11.74	91	992141	46.993	ug/l	99
68) m/p-Xylenes	11.85	106	749919	95.663	ug/l	97
69) o-Xylene	12.18	106	337374	48.022	ug/l	98
70) Styrene	12.20	104	588769	48.205	ug/l	98
71) Bromoform	12.36	173	104664	47.326	ug/l #	98
73) Isopropylbenzene	12.48	105	958231	49.757	ug/l	99
74) N-amyl acetate	12.29	43	215725	49.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	157542	46.305	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	105447m	42.153	ug/l	
77) Bromobenzene	12.76	156	203576	47.415	ug/l	98
78) n-propylbenzene	12.82	91	1157868	49.597	ug/l	100
79) 2-Chlorotoluene	12.91	91	622640	47.541	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	799320	49.313	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	54192	50.576	ug/l	94
82) 4-Chlorotoluene	13.01	91	662458	47.300	ug/l	99
83) tert-Butylbenzene	13.23	119	658653	49.761	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	785331	48.664	ug/l	97
85) sec-Butylbenzene	13.40	105	947123	49.665	ug/l	99
86) p-Isopropyltoluene	13.52	119	856499	49.900	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	391496	45.930	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	386647	45.195	ug/l	99
89) n-Butylbenzene	13.84	91	827377	49.465	ug/l	100
90) Hexachloroethane	14.11	117	171587	46.395	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	329497	44.226	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26668	46.142	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	219862	49.172	ug/l	98
94) Hexachlorobutadiene	15.27	225	130929	48.741	ug/l	97
95) Naphthalene	15.41	128	410370	52.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	190045	49.854	ug/l	99

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

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