

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063826.D
 Acq On : 25 Sep 2019 16:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 9:25:59 AM

Quant Time: Sep 26 11:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	243496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	386687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	367405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.35	65	11721	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
35) Dibromofluoromethane	7.94	113	11873	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	
50) Toluene-d8	10.36	98	45610	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.64	95	15354	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	8874	5.314	ug/l	86
3) Chloromethane	2.22	50	30467	6.020	ug/l	94
4) Vinyl Chloride	2.36	62	29227	5.659	ug/l	91
5) Bromomethane	2.78	94	17235	5.704	ug/l	94
6) Chloroethane	2.94	64	24233	6.813	ug/l	94
7) Trichlorofluoromethane	3.29	101	39574	5.699	ug/l	99
8) Diethyl Ether	3.71	74	7136m	6.303	ug/l	
9) 1,1,2-Trichlorotrifluoroet	4.10	101	11365	5.517	ug/l	98
10) Methyl Iodide	4.32	142	11391	4.632	ug/l #	90
11) Tert butyl alcohol	5.27	59	5822	32.775	ug/l #	72
12) 1,1-Dichloroethene	4.08	96	12128	5.833	ug/l #	74
13) Acrolein	3.94	56	6109m	28.247	ug/l	
14) Allyl chloride	4.73	41	19587	5.960	ug/l #	81
15) Acrylonitrile	5.45	53	14157	28.304	ug/l	96
16) Acetone	4.18	43	16243	31.561	ug/l	97
17) Carbon Disulfide	4.43	76	37674	5.360	ug/l #	95
18) Methyl Acetate	4.75	43	8398	6.627	ug/l	96
19) Methyl tert-butyl Ether	5.51	73	28334	5.443	ug/l	93
20) Methylene Chloride	4.99	84	23168	7.482	ug/l	90
21) trans-1,2-Dichloroethene	5.50	96	13590	5.615	ug/l	98
22) Diisopropyl ether	6.39	45	39991	5.891	ug/l	93
23) Vinyl Acetate	6.33	43	110619	27.552	ug/l	99
24) 1,1-Dichloroethane	6.30	63	23145	5.612	ug/l #	93
25) 2-Butanone	7.26	43	20032	29.773	ug/l #	83
26) 2,2-Dichloropropane	7.23	77	22943	5.949	ug/l	100
27) cis-1,2-Dichloroethene	7.23	96	14804	5.451	ug/l	94
28) Bromochloromethane	7.58	49	9097	5.622	ug/l #	97
29) Tetrahydrofuran	7.60	42	11595	28.761	ug/l	97
30) Chloroform	7.74	83	25069	5.597	ug/l	97
31) Cyclohexane	8.01	56	25862	6.282	ug/l #	74
32) 1,1,1-Trichloroethane	7.93	97	22462	5.546	ug/l	97
36) 1,1-Dichloropropene	8.13	75	19314	5.476	ug/l	99
37) Ethyl Acetate	7.33	43	9039	6.136	ug/l #	93
38) Carbon Tetrachloride	8.11	117	20351	5.543	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	24682	5.620	ug/l	93
40) Benzene	8.37	78	52201	5.374	ug/l	92
41) Methacrylonitrile	7.54	41	5588	6.423	ug/l #	88
42) 1,2-Dichloroethane	8.44	62	15797	5.561	ug/l	99
43) Isopropyl Acetate	8.48	43	16976	5.748	ug/l	99
44) Trichloroethene	9.13	130	15047	5.349	ug/l	98
45) 1,2-Dichloropropane	9.41	63	13544	5.644	ug/l #	86
46) Dibromomethane	9.50	93	7628	5.632	ug/l	96
47) Bromodichloromethane	9.68	83	18176	5.206	ug/l	89
48) Methyl methacrylate	9.48	41	7149	5.322	ug/l	95
49) 1,4-Dioxane	9.48	88	2114	111.890	ug/l #	90
51) 4-Methyl-2-Pentanone	10.25	43	42265	28.409	ug/l	94
52) Toluene	10.41	92	36087	5.479	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	17678	5.108	ug/l	90
54) cis-1,3-Dichloropropene	10.11	75	19761	5.030	ug/l	95
55) 1,1,2-Trichloroethane	10.82	97	10362	5.415	ug/l	97
56) Ethyl methacrylate	10.68	69	13360	5.493	ug/l	89
57) 1,3-Dichloropropane	10.97	76	17183	5.284	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.96	63	27801	25.573	ug/l	99
59) 2-Hexanone	11.00	43	29993	28.255	ug/l	93
60) Dibromochloromethane	11.16	129	12688	5.024	ug/l	100
61) 1,2-Dibromoethane	11.26	107	10188	5.325	ug/l	98
64) Tetrachloroethene	10.89	164	13769	5.564	ug/l	95
65) Chlorobenzene	11.68	112	39304	5.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.76	131	14693	5.410	ug/l	95
67) Ethyl Benzene	11.76	91	70157	5.255	ug/l	97
68) m/p-Xylenes	11.87	106	54749	10.680	ug/l	100
69) o-Xylene	12.19	106	25644	5.300	ug/l	98
70) Styrene	12.21	104	40867	4.990	ug/l	93
71) Bromoform	12.37	173	6945	4.603	ug/l #	90
73) Isopropylbenzene	12.49	105	69980	5.459	ug/l	99
74) N-amyl acetate	12.30	43	15687	5.590	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	11865	5.553	ug/l	95
76) 1,2,3-Trichloropropane	12.80	75	8075m	6.785	ug/l	
77) Bromobenzene	12.77	156	16428	5.333	ug/l	93
78) n-propylbenzene	12.83	91	80910	5.365	ug/l	97
79) 2-Chlorotoluene	12.92	91	42709	5.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	55358	5.181	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.55	75	4089	5.739	ug/l #	89
82) 4-Chlorotoluene	13.01	91	48001	5.532	ug/l	97
83) tert-Butylbenzene	13.23	119	50054	5.361	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	57881	5.336	ug/l	94
85) sec-Butylbenzene	13.41	105	70327	5.413	ug/l	99
86) p-Isopropyltoluene	13.53	119	64073	5.251	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	31023	5.129	ug/l	96
88) 1,4-Dichlorobenzene	13.61	146	32738	5.442	ug/l	94
89) n-Butylbenzene	13.86	91	63191	5.441	ug/l	99
90) Hexachloroethane	14.13	117	12007	5.313	ug/l	90
91) 1,2-Dichlorobenzene	13.90	146	25682	4.950	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1934	5.365	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	20854	5.293	ug/l	96
94) Hexachlorobutadiene	15.28	225	11075	4.961	ug/l	90
95) Naphthalene	15.41	128	37185	5.256	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	18821	5.388	ug/l	95

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

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