

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063832.D
 Acq On : 25 Sep 2019 19:43
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Sep 26 12:09:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min) 10/1/2019 9:26:22 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	256571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	400986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	391113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	129361	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.94	113	128761	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.36	98	530508	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
62) 4-Bromofluorobenzene	12.64	95	182726	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	105924	60.196	ug/l	95
3) Chloromethane	2.22	50	220021	50.021	ug/l	100
4) Vinyl Chloride	2.36	62	245566	45.124	ug/l	94
5) Bromomethane	2.78	94	156234	49.068	ug/l	93
6) Chloroethane	2.94	64	156049	49.684	ug/l	98
7) Trichlorofluoromethane	3.29	101	335186	45.812	ug/l	95
8) Diethyl Ether	3.73	74	55432	52.142	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	109256	50.338	ug/l	98
10) Methyl Iodide	4.31	142	150688	58.152	ug/l	98
11) Tert butyl alcohol	5.28	59	41363	248.595	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	106346	48.540	ug/l	90
13) Acrolein	3.95	56	57720	251.846	ug/l	98
14) Allyl chloride	4.73	41	164438	47.483	ug/l	97
15) Acrylonitrile	5.46	53	130257	247.148	ug/l	96
16) Acetone	4.19	43	121347	249.403	ug/l	95
17) Carbon Disulfide	4.43	76	367932	49.679	ug/l	96
18) Methyl Acetate	4.75	43	58782	50.104	ug/l	93
19) Methyl tert-butyl Ether	5.51	73	272904	49.752	ug/l	92
20) Methylene Chloride	4.99	84	137378	51.924	ug/l	96
21) trans-1,2-Dichloroethene	5.49	96	130730	51.263	ug/l	93
22) Diisopropyl ether	6.39	45	341319	47.720	ug/l	98
23) Vinyl Acetate	6.34	43	1032550	244.070	ug/l	99
24) 1,1-Dichloroethane	6.29	63	215676	49.633	ug/l	97
25) 2-Butanone	7.25	43	163740	230.959	ug/l	95
26) 2,2-Dichloropropane	7.24	77	191208	47.050	ug/l	99
27) cis-1,2-Dichloroethene	7.23	96	144801	50.602	ug/l	98
28) Bromochloromethane	7.57	49	84560	49.591	ug/l	92
29) Tetrahydrofuran	7.60	42	100451	236.467	ug/l	98
30) Chloroform	7.73	83	230824	48.905	ug/l	94
31) Cyclohexane	8.00	56	192463	51.501	ug/l	97
32) 1,1,1-Trichloroethane	7.92	97	212325	49.750	ug/l	95
36) 1,1-Dichloropropene	8.13	75	176943	48.377	ug/l	98
37) Ethyl Acetate	7.32	43	70955	52.143	ug/l	97
38) Carbon Tetrachloride	8.11	117	187462	49.243	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	10/1/2019 9:26:22 AM
39) Methylcyclohexane	9.37	83	223423	49.058	ug/l	100	
40) Benzene	8.37	78	499846	49.622	ug/l	99	
41) Methacrylonitrile	7.56	41	34523	42.730	ug/l #	86	
42) 1,2-Dichloroethane	8.45	62	147308	50.010	ug/l	100	
43) Isopropyl Acetate	8.47	43	146540	47.852	ug/l	99	
44) Trichloroethene	9.13	130	148036	50.747	ug/l	90	
45) 1,2-Dichloropropane	9.41	63	124192	49.911	ug/l	98	
46) Dibromomethane	9.49	93	70267	50.033	ug/l	98	
47) Bromodichloromethane	9.68	83	185042	51.111	ug/l	94	
48) Methyl methacrylate	9.48	41	66639	47.844	ug/l	96	
49) 1,4-Dioxane	9.48	88	19404	990.389	ug/l	96	
51) 4-Methyl-2-Pentanone	10.25	43	366218	237.380	ug/l	96	
52) Toluene	10.42	92	341032	49.931	ug/l	98	
53) t-1,3-Dichloropropene	10.64	75	183971	51.265	ug/l	100	
54) cis-1,3-Dichloropropene	10.11	75	211263	51.862	ug/l	96	
55) 1,1,2-Trichloroethane	10.82	97	99129	49.952	ug/l	95	
56) Ethyl methacrylate	10.67	69	125184	49.632	ug/l	99	
57) 1,3-Dichloropropane	10.96	76	166559	49.397	ug/l	99	
58) 2-Chloroethyl Vinyl ether	9.96	63	262350	232.718	ug/l	97	
59) 2-Hexanone	11.00	43	260131	236.320	ug/l	100	
60) Dibromochloromethane	11.16	129	134688	51.430	ug/l	99	
61) 1,2-Dibromoethane	11.26	107	100933	50.877	ug/l	100	
64) Tetrachloroethene	10.89	164	133054	50.503	ug/l	95	
65) Chlorobenzene	11.68	112	392830	49.931	ug/l	95	
66) 1,1,1,2-Tetrachloroethane	11.76	131	143206	49.529	ug/l	98	
67) Ethyl Benzene	11.76	91	696651	49.021	ug/l	98	
68) m/p-Xylenes	11.87	106	544181	99.716	ug/l	98	
69) o-Xylene	12.19	106	257545	50.000	ug/l	99	
70) Styrene	12.21	104	445189	51.068	ug/l	99	
71) Bromoform	12.37	173	83561	52.024	ug/l #	98	
73) Isopropylbenzene	12.49	105	694924	49.442	ug/l	99	
74) N-amyl acetate	12.30	43	145423	47.265	ug/l	98	
75) 1,1,2,2-Tetrachloroethane	12.74	83	111590	47.632	ug/l	99	
76) 1,2,3-Trichloropropane	12.80	75	88939m	57.001	ug/l		
77) Bromobenzene	12.77	156	173481	51.359	ug/l	98	
78) n-propylbenzene	12.83	91	817974	49.467	ug/l	98	
79) 2-Chlorotoluene	12.92	91	437071	49.004	ug/l	97	
80) 1,3,5-Trimethylbenzene	12.97	105	587345	50.128	ug/l	98	
81) trans-1,4-Dichloro-2-buten	12.54	75	38299	49.021	ug/l	96	
82) 4-Chlorotoluene	13.01	91	465275	48.902	ug/l	99	
83) tert-Butylbenzene	13.24	119	522932	51.079	ug/l	98	
84) 1,2,4-Trimethylbenzene	13.28	105	597388	50.222	ug/l	98	
85) sec-Butylbenzene	13.41	105	716556	50.300	ug/l	98	
86) p-Isopropyltoluene	13.53	119	670736	50.133	ug/l	99	
87) 1,3-Dichlorobenzene	13.53	146	337821	50.938	ug/l	99	
88) 1,4-Dichlorobenzene	13.61	146	337748	51.206	ug/l	96	
89) n-Butylbenzene	13.86	91	626588	49.208	ug/l	99	
90) Hexachloroethane	14.13	117	122215	49.317	ug/l	93	
91) 1,2-Dichlorobenzene	13.90	146	292198	51.363	ug/l	99	
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19026	48.132	ug/l	97	

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93) 1,2,4-Trichlorobenzene	15.17	180	228262	52.837	ug/l	98	
94) Hexachlorobutadiene	15.28	225	128325	52.425	ug/l	96	
95) Naphthalene	15.41	128	401042	51.694	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.61	180	194182	50.699	ug/l	95	

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

