

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000146.D
 Acq On : 26 Sep 2019 11:57
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:13:01 AM

Quant Time: Sep 26 14:18:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	196497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	324782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	287938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	138055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	171824	99.85	ug/l	0.00
Spiked Amount			Recovery	=	199.70%	
35) Dibromofluoromethane	7.72	113	165711	97.43	ug/l	0.00
Spiked Amount			Recovery	=	194.86%	
50) Toluene-d8	10.18	98	720858	100.15	ug/l	0.00
Spiked Amount			Recovery	=	200.30%	
62) 4-Bromofluorobenzene	12.48	95	241084	91.90	ug/l	0.00
Spiked Amount			Recovery	=	183.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	129627	82.988	ug/l	97
3) Chloromethane	2.11	50	193876	85.060	ug/l	99
4) Vinyl Chloride	2.24	62	227532	92.915	ug/l	99
5) Bromomethane	2.62	94	144216	87.338	ug/l	100
6) Chloroethane	2.77	64	143678	94.512	ug/l	97
7) Trichlorofluoromethane	3.11	101	276606	93.710	ug/l	98
8) Diethyl Ether	3.52	74	112360	95.478	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	180934	93.907	ug/l	98
10) Methyl Iodide	4.08	142	312333	105.136	ug/l	100
11) Tert butyl alcohol	4.98	59	81769	475.616	ug/l	97
12) 1,1-Dichloroethene	3.86	96	192897	95.468	ug/l	96
13) Acrolein	3.73	56	108485	508.110	ug/l	98
14) Allyl chloride	4.47	41	242477	95.899	ug/l	98
15) Acrylonitrile	5.17	53	266763	498.437	ug/l	99
16) Acetone	3.95	43	199853	473.976	ug/l	100
17) Carbon Disulfide	4.18	76	580482	92.617	ug/l	98
18) Methyl Acetate	4.47	43	122834	98.431	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	477790	99.884	ug/l	96
20) Methylene Chloride	4.71	84	205822	84.520	ug/l	97
21) trans-1,2-Dichloroethene	5.21	96	212989	94.610	ug/l	96
22) Diisopropyl ether	6.12	45	517910	97.467	ug/l	97
23) Vinyl Acetate	6.06	43	1728138	518.940	ug/l	97
24) 1,1-Dichloroethane	6.02	63	305416	94.947	ug/l	99
25) 2-Butanone	6.99	43	338716	512.703	ug/l	96
26) 2,2-Dichloropropane	6.99	77	271384	92.785	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	239577	95.757	ug/l	99
28) Bromochloromethane	7.33	49	127887	104.353	ug/l	98
29) Tetrahydrofuran	7.35	42	209432	514.236	ug/l	98
30) Chloroform	7.51	83	315866	93.823	ug/l	99
31) Cyclohexane	7.78	56	299071	89.931	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	286151	96.934	ug/l	100
36) 1,1-Dichloropropene	7.92	75	254620	94.338	ug/l	99
37) Ethyl Acetate	7.08	43	139752	98.019	ug/l	99
38) Carbon Tetrachloride	7.90	117	255560	96.991	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	363292	94.900	ug/l	96
40) Benzene	8.16	78	814594	95.544	ug/l	99
41) Methacrylonitrile	7.32	41	63506m	82.148	ug/l	
42) 1,2-Dichloroethane	8.24	62	206111	99.358	ug/l	97
43) Isopropyl Acetate	8.28	43	270403	102.669	ug/l	99
44) Trichloroethene	8.94	130	262580	96.376	ug/l	99
45) 1,2-Dichloropropane	9.22	63	184351	98.018	ug/l	98
46) Dibromomethane	9.31	93	112657	98.149	ug/l	99
47) Bromodichloromethane	9.50	83	255410	98.719	ug/l	100
48) Methyl methacrylate	9.30	41	118039	100.088	ug/l	96
49) 1,4-Dioxane	9.30	88	36041	2032.388	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	716728	524.302	ug/l	99
52) Toluene	10.24	92	528480	95.713	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	270489	99.528	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	317276	98.510	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	166296	97.437	ug/l	97
56) Ethyl methacrylate	10.51	69	226798	102.158	ug/l	99
57) 1,3-Dichloropropane	10.79	76	268258	97.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	554217	531.498	ug/l	99
59) 2-Hexanone	10.83	43	520741	535.974	ug/l	100
60) Dibromochloromethane	10.99	129	196401	101.798	ug/l	98
61) 1,2-Dibromoethane	11.09	107	160983	98.845	ug/l	99
64) Tetrachloroethene	10.72	164	278745	97.725	ug/l	96
65) Chlorobenzene	11.52	112	569822	95.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	197797	97.688	ug/l	99
67) Ethyl Benzene	11.59	91	980589	95.735	ug/l	100
68) m/p-Xylenes	11.70	106	785674	189.743	ug/l	98
69) o-Xylene	12.03	106	374409	94.808	ug/l	99
70) Styrene	12.04	104	649936	97.247	ug/l	99
71) Bromoform	12.20	173	125008	105.063	ug/l #	97
73) Isopropylbenzene	12.33	105	961846	96.565	ug/l	100
74) N-amyl acetate	12.14	43	251101	104.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	142401	91.846	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	124256m	91.377	ug/l	
77) Bromobenzene	12.60	156	241826	98.276	ug/l	99
78) n-propylbenzene	12.67	91	1136288	95.697	ug/l	99
79) 2-Chlorotoluene	12.75	91	620860	96.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	795306	95.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	72072	103.372	ug/l	99
82) 4-Chlorotoluene	12.85	91	654751	97.268	ug/l	99
83) tert-Butylbenzene	13.07	119	693358	97.173	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	804325	96.056	ug/l	99
85) sec-Butylbenzene	13.25	105	981242	95.784	ug/l	100
86) p-Isopropyltoluene	13.36	119	880335	96.498	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	448536	95.133	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	453736	96.679	ug/l	99
89) n-Butylbenzene	13.69	91	838604	96.727	ug/l	99
90) Hexachloroethane	13.95	117	167860	97.395	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	419918	97.479	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	31148	101.818	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	293328	98.143	ug/l	99
94) Hexachlorobutadiene	15.11	225	143416	98.346	ug/l	99
95) Naphthalene	15.23	128	665768	99.482	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	264873	98.814	ug/l	99

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

