

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000126.D
 Acq On : 23 Sep 2019 11:24
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:19 AM

Quant Time: Sep 24 05:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 04:45:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	115309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	221034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	195975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	83902	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	13248	9.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.98%	
35) Dibromofluoromethane	7.71	113	13947	10.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.98%	
50) Toluene-d8	10.18	98	51915	10.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.32%	
62) 4-Bromofluorobenzene	12.48	95	21559	11.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	13643	11.927	ug/l	90
3) Chloromethane	2.11	50	26057	12.329	ug/l	99
4) Vinyl Chloride	2.25	62	18918	10.671	ug/l	93
5) Bromomethane	2.63	94	12862	11.713	ug/l	93
6) Chloroethane	2.78	64	10797	9.858	ug/l	100
7) Trichlorofluoromethane	3.12	101	21762	10.747	ug/l	100
8) Diethyl Ether	3.53	74	8458	9.744	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.89	101	14052	10.466	ug/l	93
10) Methyl Iodide	4.08	142	15331	8.901	ug/l	98
11) Tert butyl alcohol	4.95	59	6816	49.807	ug/l	95
12) 1,1-Dichloroethene	3.87	96	15004	10.819	ug/l #	76
13) Acrolein	3.73	56	3717	66.851	ug/l	91
14) Allyl chloride	4.47	41	18709	9.558	ug/l	90
15) Acrylonitrile	5.17	53	20143	47.871	ug/l	96
16) Acetone	3.95	43	12436	48.263	ug/l	96
17) Carbon Disulfide	4.19	76	50101	10.486	ug/l #	92
18) Methyl Acetate	4.48	43	8956	9.488	ug/l #	88
19) Methyl tert-butyl Ether	5.22	73	36661	10.174	ug/l	93
20) Methylene Chloride	4.71	84	19296	11.144	ug/l #	91
21) trans-1,2-Dichloroethene	5.22	96	16916	10.817	ug/l #	87
22) Diisopropyl ether	6.12	45	42581	10.203	ug/l	96
23) Vinyl Acetate	6.06	43	136634	49.125	ug/l	96
24) 1,1-Dichloroethane	6.03	63	26673	10.728	ug/l	94
25) 2-Butanone	6.99	43	23896	49.985	ug/l	98
26) 2,2-Dichloropropane	6.99	77	23784	10.556	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	18524	10.642	ug/l	94
28) Bromochloromethane	7.34	49	9100	9.366	ug/l	97
29) Tetrahydrofuran	7.35	42	15793	48.783	ug/l	99
30) Chloroform	7.51	83	27190	10.863	ug/l	99
31) Cyclohexane	7.79	56	28724	11.141	ug/l #	79
32) 1,1,1-Trichloroethane	7.71	97	21082	10.238	ug/l	96
36) 1,1-Dichloropropene	7.92	75	22170	10.833	ug/l	94
37) Ethyl Acetate	7.07	43	10830	10.020	ug/l	96
38) Carbon Tetrachloride	7.90	117	18025	10.262	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	30301	10.765	ug/l	98
40) Benzene	8.16	78	65150	10.314	ug/l	97
41) Methacrylonitrile	7.31	41	4577	5.336	ug/l #	85
42) 1,2-Dichloroethane	8.24	62	16301	10.120	ug/l	95
43) Isopropyl Acetate	8.28	43	21454	9.924	ug/l	98
44) Trichloroethene	8.93	130	16397	10.455	ug/l	87
45) 1,2-Dichloropropane	9.22	63	16280	10.671	ug/l	94
46) Dibromomethane	9.31	93	9467	11.158	ug/l	89
47) Bromodichloromethane	9.50	83	20389	10.495	ug/l #	94
48) Methyl methacrylate	9.29	41	8879	9.611	ug/l	97
49) 1,4-Dioxane	9.30	88	2865	213.886	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	54395	49.377	ug/l	98
52) Toluene	10.24	92	39874	10.216	ug/l	95
53) t-1,3-Dichloropropene	10.46	75	22078	10.422	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	26123	10.636	ug/l #	95
55) 1,1,2-Trichloroethane	10.65	97	12059	9.925	ug/l	93
56) Ethyl methacrylate	10.51	69	16765	9.795	ug/l	97
57) 1,3-Dichloropropane	10.79	76	22466	10.635	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	39853	47.165	ug/l	99
59) 2-Hexanone	10.83	43	36798	47.688	ug/l	99
60) Dibromochloromethane	10.99	129	12465	9.816	ug/l	93
61) 1,2-Dibromoethane	11.09	107	11170	9.782	ug/l	96
64) Tetrachloroethene	10.72	164	15451	10.358	ug/l	98
65) Chlorobenzene	11.51	112	41740	10.492	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	12924	10.110	ug/l	94
67) Ethyl Benzene	11.59	91	73703	10.192	ug/l	100
68) m/p-Xylenes	11.70	106	57121	20.483	ug/l	100
69) o-Xylene	12.02	106	27927	10.476	ug/l	100
70) Styrene	12.04	104	45039	9.999	ug/l	98
71) Bromoform	12.20	173	7028	9.737	ug/l #	96
73) Isopropylbenzene	12.32	105	70756	10.592	ug/l	99
74) N-amyl acetate	12.14	43	17256	9.268	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	13266	9.946	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	10297m	6.127	ug/l	
77) Bromobenzene	12.60	156	14559	10.422	ug/l	97
78) n-propylbenzene	12.67	91	87675	10.612	ug/l	99
79) 2-Chlorotoluene	12.75	91	48661	10.729	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	58178	10.407	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	5324	9.953	ug/l	98
82) 4-Chlorotoluene	12.85	91	48262	10.317	ug/l	96
83) tert-Butylbenzene	13.07	119	47178	10.302	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	57726	10.347	ug/l	99
85) sec-Butylbenzene	13.25	105	73229	10.697	ug/l	100
86) p-Isopropyltoluene	13.37	119	61668	10.565	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	27943	10.223	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	28099	10.072	ug/l	97
89) n-Butylbenzene	13.69	91	62766	10.483	ug/l	97
90) Hexachloroethane	13.96	117	12423	10.747	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	26349	10.219	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2814	11.478	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	16931	10.213	ug/l	96
94) Hexachlorobutadiene	15.10	225	7838	10.637	ug/l	96
95) Naphthalene	15.23	128	40717	9.716	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.42	180	15180	10.266	ug/l	97

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

