

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000127.D
 Acq On : 23 Sep 2019 11:46
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:20 AM

Quant Time: Sep 24 05:12:45 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	111505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	220349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	189310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	83768	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	26351	20.56	ug/l	0.00
Spiked Amount			Recovery	=	41.12%	
35) Dibromofluoromethane	7.73	113	25082	19.82	ug/l	0.00
Spiked Amount			Recovery	=	39.64%	
50) Toluene-d8	10.18	98	94274	18.51	ug/l	0.00
Spiked Amount			Recovery	=	37.02%	
62) 4-Bromofluorobenzene	12.48	95	40088	21.40	ug/l	0.00
Spiked Amount			Recovery	=	42.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	25664	23.201	ug/l	92
3) Chloromethane	2.11	50	39747	19.448	ug/l	96
4) Vinyl Chloride	2.25	62	36444	21.258	ug/l	98
5) Bromomethane	2.62	94	21890	20.614	ug/l	94
6) Chloroethane	2.78	64	22110	20.876	ug/l	94
7) Trichlorofluoromethane	3.12	101	41724	21.308	ug/l	99
8) Diethyl Ether	3.52	74	17292	20.601	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.89	101	27029	20.818	ug/l	97
10) Methyl Iodide	4.09	142	34619	20.784	ug/l	99
11) Tert butyl alcohol	4.97	59	14117	106.678	ug/l	95
12) 1,1-Dichloroethene	3.87	96	28177	21.012	ug/l	88
13) Acrolein	3.73	56	7953	147.917	ug/l #	84
14) Allyl chloride	4.48	41	41420	21.881	ug/l	98
15) Acrylonitrile	5.17	53	44610	109.636	ug/l	98
16) Acetone	3.95	43	26015	104.407	ug/l	100
17) Carbon Disulfide	4.18	76	99318	21.496	ug/l	97
18) Methyl Acetate	4.48	43	19830	21.724	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	72902	20.921	ug/l	95
20) Methylene Chloride	4.71	84	35302	21.083	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	31792	21.022	ug/l	84
22) Diisopropyl ether	6.12	45	82517	20.446	ug/l	96
23) Vinyl Acetate	6.06	43	276412	102.770	ug/l	98
24) 1,1-Dichloroethane	6.01	63	50224	20.890	ug/l	99
25) 2-Butanone	6.99	43	49144	106.306	ug/l	92
26) 2,2-Dichloropropane	6.98	77	44479	20.415	ug/l	77
27) cis-1,2-Dichloroethene	6.99	96	34806	20.679	ug/l	94
28) Bromochloromethane	7.34	49	17882	19.033	ug/l	98
29) Tetrahydrofuran	7.35	42	33232	106.153	ug/l	96
30) Chloroform	7.51	83	49620	20.500	ug/l	92
31) Cyclohexane	7.79	56	51768	20.765	ug/l	91
32) 1,1,1-Trichloroethane	7.70	97	40249	20.213	ug/l	99
36) 1,1-Dichloropropene	7.92	75	41423	20.303	ug/l	99
37) Ethyl Acetate	7.08	43	22297	20.694	ug/l #	94
38) Carbon Tetrachloride	7.90	117	34997	19.986	ug/l #	91

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39) Methylcyclohexane	9.18	83	56662	20.193	ug/l	95
40) Benzene	8.16	78	127839	20.302	ug/l	99
41) Methacrylonitrile	7.31	41	8991	10.515	ug/l #	91
42) 1,2-Dichloroethane	8.24	62	31786	19.795	ug/l	99
43) Isopropyl Acetate	8.28	43	41981	19.479	ug/l	98
44) Trichloroethene	8.94	130	31331	20.039	ug/l	100
45) 1,2-Dichloropropane	9.22	63	29915	19.669	ug/l	96
46) Dibromomethane	9.31	93	16090	19.022	ug/l	99
47) Bromodichloromethane	9.50	83	37673	19.452	ug/l	97
48) Methyl methacrylate	9.29	41	17752	19.275	ug/l	95
49) 1,4-Dioxane	9.30	88	5708	427.455	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	108342	98.653	ug/l	98
52) Toluene	10.24	92	76881	19.758	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	40525	19.189	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	49010	20.017	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	23388	19.308	ug/l	93
56) Ethyl methacrylate	10.51	69	34301	20.103	ug/l	98
57) 1,3-Dichloropropane	10.79	76	41861	19.878	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	84249	100.016	ug/l	100
59) 2-Hexanone	10.83	43	76041	98.851	ug/l	100
60) Dibromochloromethane	10.98	129	25533	20.169	ug/l	97
61) 1,2-Dibromoethane	11.09	107	22662	19.907	ug/l	98
64) Tetrachloroethene	10.71	164	29215	20.274	ug/l	92
65) Chlorobenzene	11.51	112	77091	20.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	24823	20.102	ug/l	98
67) Ethyl Benzene	11.59	91	143804	20.586	ug/l	100
68) m/p-Xylenes	11.70	106	109527	40.659	ug/l	99
69) o-Xylene	12.02	106	51727	20.087	ug/l	99
70) Styrene	12.04	104	88852	20.421	ug/l	99
71) Bromoform	12.20	173	13853	19.869	ug/l #	98
73) Isopropylbenzene	12.32	105	132305	19.837	ug/l	98
74) N-amyl acetate	12.14	43	35958	19.344	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	27149	20.387	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	15635m	9.319	ug/l	
77) Bromobenzene	12.60	156	28609	20.513	ug/l	100
78) n-propylbenzene	12.66	91	166288	20.159	ug/l	100
79) 2-Chlorotoluene	12.75	91	89786	19.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	110913	19.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	10678	19.994	ug/l	96
82) 4-Chlorotoluene	12.85	91	91769	19.649	ug/l	100
83) tert-Butylbenzene	13.07	119	90998	19.903	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	110652	19.865	ug/l	99
85) sec-Butylbenzene	13.25	105	138035	20.196	ug/l	100
86) p-Isopropyltoluene	13.37	119	118072	20.261	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	54892	20.115	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	57013	20.468	ug/l	99
89) n-Butylbenzene	13.69	91	118738	19.864	ug/l	99
90) Hexachloroethane	13.96	117	22413	19.421	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	51485	19.999	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5015	20.489	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	32312	19.521	ug/l	99
94) Hexachlorobutadiene	15.11	225	15003	20.393	ug/l	98
95) Naphthalene	15.23	128	84281	20.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	29492	19.977	ug/l	98

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

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