

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000143.D
 Acq On : 26 Sep 2019 10:49
 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
 10/2/2019 9:12:47 AM

Quant Time: Sep 26 14:08:50 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	7.80	168	201012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	341367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	296321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143946	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	18266	10.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.76%	
35) Dibromofluoromethane	7.73	113	19349	10.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	21.64%	
50) Toluene-d8	10.18	98	76064	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
62) 4-Bromofluorobenzene	12.48	95	32031	11.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	19551	12.236	ug/l	97
3) Chloromethane	2.11	50	26680	11.442	ug/l	99
4) Vinyl Chloride	2.25	62	27182	10.851	ug/l	96
5) Bromomethane	2.64	94	19750	11.692	ug/l	98
6) Chloroethane	2.79	64	16316	10.492	ug/l	90
7) Trichlorofluoromethane	3.12	101	32484	10.758	ug/l	99
8) Diethyl Ether	3.53	74	12779	10.615	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	21733	11.026	ug/l	98
10) Methyl Iodide	4.09	142	30826	10.143	ug/l	98
11) Tert butyl alcohol	4.97	59	9971	56.694	ug/l #	91
12) 1,1-Dichloroethene	3.86	96	23209	11.228	ug/l	98
13) Acrolein	3.73	56	10834	49.603	ug/l	96
14) Allyl chloride	4.47	41	27060	10.462	ug/l	99
15) Acrylonitrile	5.18	53	29692	54.232	ug/l	96
16) Acetone	3.95	43	24388	56.540	ug/l #	86
17) Carbon Disulfide	4.19	76	71271	11.116	ug/l #	94
18) Methyl Acetate	4.47	43	12970	10.160	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	52985	10.828	ug/l	98
20) Methylene Chloride	4.71	84	28905	11.603	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	24859	10.794	ug/l	90
22) Diisopropyl ether	6.12	45	57946	10.660	ug/l #	96
23) Vinyl Acetate	6.07	43	179319	52.638	ug/l	100
24) 1,1-Dichloroethane	6.02	63	35553	10.804	ug/l	97
25) 2-Butanone	6.99	43	36345	53.779	ug/l	99
26) 2,2-Dichloropropane	6.99	77	32357	10.814	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	28356	11.079	ug/l	99
28) Bromochloromethane	7.35	49	11662	9.302	ug/l	98
29) Tetrahydrofuran	7.36	42	22434	53.847	ug/l	99
30) Chloroform	7.51	83	37383	10.855	ug/l	91
31) Cyclohexane	7.78	56	38200	11.229	ug/l	89
32) 1,1,1-Trichloroethane	7.70	97	32415	10.734	ug/l	98
36) 1,1-Dichloropropene	7.92	75	28705	10.119	ug/l	96
37) Ethyl Acetate	7.08	43	16516	11.021	ug/l	97
38) Carbon Tetrachloride	7.90	117	28407	10.257	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	42062	10.454	ug/l	97
40) Benzene	8.16	78	94013	10.491	ug/l	98
41) Methacrylonitrile	7.32	41	7713	9.492	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	22926	10.515	ug/l	100
43) Isopropyl Acetate	8.28	43	29223	10.557	ug/l	95
44) Trichloroethene	8.94	130	30252	10.564	ug/l	95
45) 1,2-Dichloropropane	9.22	63	20115	10.175	ug/l	99
46) Dibromomethane	9.31	93	12840	10.643	ug/l	99
47) Bromodichloromethane	9.50	83	28386	10.439	ug/l #	98
48) Methyl methacrylate	9.29	41	13968	11.268	ug/l	90
49) 1,4-Dioxane	9.30	88	3889	208.650	ug/l #	96
51) 4-Methyl-2-Pentanone	10.07	43	78061	54.329	ug/l	98
52) Toluene	10.24	92	58843	10.139	ug/l	94
53) t-1,3-Dichloropropene	10.47	75	30013	10.507	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	34734	10.261	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	18969	10.574	ug/l	95
56) Ethyl methacrylate	10.51	69	24241	10.389	ug/l	98
57) 1,3-Dichloropropane	10.79	76	30100	10.442	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	50678	46.239	ug/l	96
59) 2-Hexanone	10.83	43	54008	52.887	ug/l	95
60) Dibromochloromethane	10.98	129	20644	10.180	ug/l	99
61) 1,2-Dibromoethane	11.09	107	18415	10.758	ug/l	99
64) Tetrachloroethene	10.72	164	30581	10.418	ug/l	95
65) Chlorobenzene	11.51	112	65761	10.664	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	21016	10.086	ug/l	96
67) Ethyl Benzene	11.59	91	111436	10.572	ug/l	100
68) m/p-Xylenes	11.70	106	89711	21.053	ug/l	96
69) o-Xylene	12.03	106	43960	10.817	ug/l	97
70) Styrene	12.04	104	73102	10.629	ug/l	97
71) Bromoform	12.20	173	12754	10.416	ug/l #	95
73) Isopropylbenzene	12.33	105	108109	10.409	ug/l	100
74) N-amyl acetate	12.14	43	25832	10.276	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	18242	11.284	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	16761m	11.821	ug/l	
77) Bromobenzene	12.61	156	26203	10.213	ug/l	97
78) n-propylbenzene	12.67	91	130115	10.510	ug/l	100
79) 2-Chlorotoluene	12.75	91	69826	10.366	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	91648	10.608	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	7350	10.111	ug/l	92
82) 4-Chlorotoluene	12.85	91	72909	10.388	ug/l	99
83) tert-Butylbenzene	13.07	119	80086	10.765	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	89916	10.299	ug/l	97
85) sec-Butylbenzene	13.25	105	111755	10.463	ug/l	99
86) p-Isopropyltoluene	13.36	119	98444	10.349	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	51609	10.498	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	51561	10.537	ug/l	98
89) n-Butylbenzene	13.69	91	95079	10.518	ug/l	99
90) Hexachloroethane	13.95	117	18783	10.452	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	46930	10.448	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3054	9.575	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	31930	10.246	ug/l	98
94) Hexachlorobutadiene	15.11	225	16044	10.552	ug/l	97
95) Naphthalene	15.23	128	75251	10.784	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	29915	10.703	ug/l	98

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

