

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000099.D
 Acq On : 20 Sep 2019 11:43
 Operator : SY/MD
 Sample : VY0920SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:32:25 AM

Quant Time: Sep 21 00:01:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	101934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	199860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	177815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	76256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	60745	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.73	113	58321	48.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.18	98	239386	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.48	95	85890	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	1331	Below Cal	99
3) Chloromethane	2.11	50	10544	4.885 ug/l #	87
4) Vinyl Chloride	2.25	62	9217	8.104 ug/l	97
5) Bromomethane	2.62	94	9171	10.921 ug/l	99
6) Chloroethane	2.78	64	10894	14.289 ug/l	92
7) Trichlorofluoromethane	3.12	101	23142	14.715 ug/l	91
8) Diethyl Ether	3.53	74	12117	17.995 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.89	101	20267	18.785 ug/l	94
10) Methyl Iodide	4.09	142	16561	14.760 ug/l	97
11) Tert butyl alcohol	4.98	59	15246	109.658 ug/l	97
12) 1,1-Dichloroethene	3.87	96	16553	16.643 ug/l	98
13) Acrolein	3.73	56	8243	97.921 ug/l	99
14) Allyl chloride	4.48	41	28184	18.541 ug/l	98
15) Acrylonitrile	5.17	53	41259	102.182 ug/l	95
16) Acetone	3.95	43	24269	88.879 ug/l	98
17) Carbon Disulfide	4.18	76	26171	12.167 ug/l	99
18) Methyl Acetate	4.48	43	16958	18.589 ug/l	94
19) Methyl tert-butyl Ether	5.23	73	65703	21.139 ug/l	96
20) Methylene Chloride	4.71	84	26499	20.629 ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	20616	18.647 ug/l	94
22) Diisopropyl ether	6.13	45	71347	20.774 ug/l	90
23) Vinyl Acetate	6.07	43	233650	101.647 ug/l	100
24) 1,1-Dichloroethane	6.01	63	40323	19.836 ug/l	96
25) 2-Butanone	6.99	43	47087	95.207 ug/l	99
26) 2,2-Dichloropropane	6.99	77	39762	20.727 ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	28913	20.655 ug/l	97
28) Bromochloromethane	7.34	49	18185	19.299 ug/l	92
29) Tetrahydrofuran	7.35	42	29841	100.506 ug/l	98
30) Chloroform	7.51	83	45175	21.534 ug/l	100
31) Cyclohexane	7.79	56	30433	18.229 ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	34869	20.464 ug/l	99
36) 1,1-Dichloropropene	7.92	75	28561	19.112 ug/l	96
37) Ethyl Acetate	7.09	43	20594	20.674 ug/l	99
38) Carbon Tetrachloride	7.90	117	27205	19.288 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	34586	18.822	ug/l	92
40) Benzene	8.16	78	95220	19.292	ug/l	92
41) Methacrylonitrile	7.32	41	10817m	17.371	ug/l	
42) 1,2-Dichloroethane	8.24	62	27509	21.041	ug/l	98
43) Isopropyl Acetate	8.28	43	39499	20.275	ug/l	99
44) Trichloroethene	8.94	130	24678	19.571	ug/l	78
45) 1,2-Dichloropropane	9.21	63	26156	20.457	ug/l	92
46) Dibromomethane	9.31	93	14326	20.513	ug/l	97
47) Bromodichloromethane	9.50	83	35444	20.915	ug/l	98
48) Methyl methacrylate	9.29	41	16502	19.261	ug/l	94
49) 1,4-Dioxane	9.31	88	5240	386.443	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	108023	101.558	ug/l	97
52) Toluene	10.24	92	62595	19.961	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	36635	20.388	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	41910	20.197	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	22741	20.770	ug/l	97
56) Ethyl methacrylate	10.51	69	32054	20.573	ug/l	96
57) 1,3-Dichloropropane	10.79	76	38565	20.968	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	82041	97.409	ug/l	100
59) 2-Hexanone	10.84	43	73946	97.448	ug/l	96
60) Dibromochloromethane	10.99	129	23534	20.517	ug/l	95
61) 1,2-Dibromoethane	11.09	107	19883	19.881	ug/l	98
64) Tetrachloroethene	10.72	164	22644	20.290	ug/l	94
65) Chlorobenzene	11.51	112	71914	20.446	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.59	131	25034	21.051	ug/l	97
67) Ethyl Benzene	11.59	91	123128	19.616	ug/l	97
68) m/p-Xylenes	11.70	106	94618	39.615	ug/l	97
69) o-Xylene	12.02	106	46759	20.219	ug/l	97
70) Styrene	12.04	104	83709	20.618	ug/l	98
71) Bromoform	12.21	173	13986	20.315	ug/l #	98
73) Isopropylbenzene	12.33	105	123028	20.019	ug/l	99
74) N-amyl acetate	12.14	43	35198	20.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	28031	19.377	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	17706m	16.503	ug/l	
77) Bromobenzene	12.61	156	26493	20.645	ug/l	95
78) n-propylbenzene	12.67	91	150373	20.059	ug/l	99
79) 2-Chlorotoluene	12.76	91	83538	19.933	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	103063	20.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	10264	18.399	ug/l	97
82) 4-Chlorotoluene	12.85	91	89237	20.592	ug/l	97
83) tert-Butylbenzene	13.07	119	89232	20.488	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	104519	20.825	ug/l	99
85) sec-Butylbenzene	13.25	105	134166	20.850	ug/l	99
86) p-Isopropyltoluene	13.37	119	110928	20.338	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	53485	21.011	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	54131	21.162	ug/l	98
89) n-Butylbenzene	13.69	91	115488	20.582	ug/l	99
90) Hexachloroethane	13.96	117	22804	21.276	ug/l	93
91) 1,2-Dichlorobenzene	13.74	146	49611	20.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5183	20.123	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	32137	22.269	ug/l	98
94) Hexachlorobutadiene	15.11	225	14627	21.111	ug/l	96
95) Naphthalene	15.23	128	84231	20.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	27920	20.272	ug/l	97

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

