

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000064.D
 Acq On : 18 Sep 2019 16:41
 Operator : SY/MD
 Sample : VY0918SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:40:07 AM

Quant Time: Sep 19 05:11:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	101575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	204624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	174603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	73814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	59198	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.72	113	57813	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.18	98	239042	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.48	95	84784	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.90	85	16917	21.451	ug/l	96
3) Chloromethane	2.11	50	22539	20.190	ug/l	93
4) Vinyl Chloride	2.25	62	25620	22.605	ug/l	98
5) Bromomethane	2.62	94	15933	20.554	ug/l	98
6) Chloroethane	2.78	64	17660	23.245	ug/l #	86
7) Trichlorofluoromethane	3.12	101	35308	22.531	ug/l	98
8) Diethyl Ether	3.53	74	14540	21.670	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	24291	22.594	ug/l	99
10) Methyl Iodide	4.08	142	23167	20.721	ug/l	97
11) Tert butyl alcohol	4.97	59	16992	122.649	ug/l	97
12) 1,1-Dichloroethene	3.86	96	20948	21.136	ug/l	87
13) Acrolein	3.73	56	10315	134.004	ug/l	98
14) Allyl chloride	4.48	41	33283	21.972	ug/l	99
15) Acrylonitrile	5.17	53	46334	115.157	ug/l	97
16) Acetone	3.95	43	32985	121.226	ug/l	96
17) Carbon Disulfide	4.18	76	42384	22.270	ug/l	96
18) Methyl Acetate	4.48	43	20516	22.569	ug/l	98
19) Methyl tert-butyl Ether	5.21	73	71124	22.964	ug/l	97
20) Methylene Chloride	4.71	84	28416	22.200	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	24012	21.795	ug/l	97
22) Diisopropyl ether	6.12	45	78074	22.813	ug/l	94
23) Vinyl Acetate	6.06	43	261131	114.004	ug/l	98
24) 1,1-Dichloroethane	6.02	63	46837	23.122	ug/l	96
25) 2-Butanone	6.99	43	55176	111.956	ug/l	95
26) 2,2-Dichloropropane	6.98	77	42246	22.099	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	31634	22.678	ug/l	99
28) Bromochloromethane	7.33	49	18086	19.262	ug/l	95
29) Tetrahydrofuran	7.35	42	34576	116.866	ug/l	99
30) Chloroform	7.51	83	47732	22.834	ug/l	87
31) Cyclohexane	7.78	56	36405	22.878	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	38815	22.860	ug/l	98
36) 1,1-Dichloropropene	7.92	75	33264	21.741	ug/l	97
37) Ethyl Acetate	7.08	43	20953	20.545	ug/l	94
38) Carbon Tetrachloride	7.90	117	31016	21.478	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	40325	21.434	ug/l	97
40) Benzene	8.16	78	110890	21.943	ug/l	95
41) Methacrylonitrile	7.31	41	13423	20.223	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	29495	22.035	ug/l	98
43) Isopropyl Acetate	8.28	43	43093	21.605	ug/l	97
44) Trichloroethene	8.94	130	26597	20.602	ug/l	93
45) 1,2-Dichloropropane	9.21	63	29056	22.196	ug/l	95
46) Dibromomethane	9.31	93	15633	21.863	ug/l	97
47) Bromodichloromethane	9.49	83	38154	21.989	ug/l	98
48) Methyl methacrylate	9.29	41	17689	20.165	ug/l	90
49) 1,4-Dioxane	9.30	88	5416	390.123	ug/l #	83
51) 4-Methyl-2-Pentanone	10.07	43	117011	107.447	ug/l	100
52) Toluene	10.24	92	69616	21.683	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	38785	21.082	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	45542	21.437	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	25146	22.431	ug/l	97
56) Ethyl methacrylate	10.51	69	35206	22.070	ug/l	99
57) 1,3-Dichloropropane	10.79	76	41332	21.949	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	91252	105.823	ug/l	99
59) 2-Hexanone	10.84	43	83600	107.605	ug/l	98
60) Dibromochloromethane	10.98	129	25303	21.545	ug/l	97
61) 1,2-Dibromoethane	11.09	107	21290	20.792	ug/l	100
64) Tetrachloroethene	10.71	164	23258	21.223	ug/l	95
65) Chlorobenzene	11.51	112	74645	21.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	25741	22.043	ug/l	99
67) Ethyl Benzene	11.59	91	133969	21.735	ug/l	97
68) m/p-Xylenes	11.70	106	103552	44.153	ug/l	100
69) o-Xylene	12.02	106	50091	22.058	ug/l	100
70) Styrene	12.04	104	86810	21.775	ug/l	99
71) Bromoform	12.20	173	14495	21.441	ug/l #	98
73) Isopropylbenzene	12.33	105	131916	22.176	ug/l	99
74) N-amyl acetate	12.14	43	37768	22.286	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	31244	22.312	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	22519m	21.683	ug/l	
77) Bromobenzene	12.60	156	27645	22.256	ug/l	99
78) n-propylbenzene	12.66	91	161325	22.232	ug/l	99
79) 2-Chlorotoluene	12.75	91	90695	22.357	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	110087	22.341	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.37	75	11918	22.070	ug/l	100
82) 4-Chlorotoluene	12.85	91	92331	22.011	ug/l	100
83) tert-Butylbenzene	13.07	119	94145	22.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	110423	22.730	ug/l	98
85) sec-Butylbenzene	13.25	105	138692	22.267	ug/l	100
86) p-Isopropyltoluene	13.37	119	117561	22.267	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	54787	22.235	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	54194	21.888	ug/l	96
89) n-Butylbenzene	13.69	91	118965	21.903	ug/l	99
90) Hexachloroethane	13.96	117	23535	22.684	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	50626	21.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5563	22.313	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	31845	22.797	ug/l	98
94) Hexachlorobutadiene	15.10	225	13615	20.300	ug/l	92
95) Naphthalene	15.23	128	89132	22.477	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	30171	22.632	ug/l	98

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

