

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040521\
 Data File : VY004282.D
 Acq On : 05 Apr 2021 14:20
 Operator : SY/MD
 Sample : VY0405SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0405SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 1:55:01 PM

Quant Time: Apr 05 14:30:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	190494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	306386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	268864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121615	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	90506	49.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.84%		
35) Dibromofluoromethane	7.728	113	79887	46.80	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.60%		
50) Toluene-d8	10.185	98	306691	47.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.52%		
62) 4-Bromofluorobenzene	12.483	95	102536	46.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.18%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31602	19.16	ug/l	100
3) Chloromethane	2.119	50	45394	20.39	ug/l	99
4) Vinyl Chloride	2.260	62	62403	25.14	ug/l	95
5) Bromomethane	2.650	94	24291	17.79	ug/l	96
6) Chloroethane	2.796	64	31133	19.35	ug/l	100
7) Trichlorofluoromethane	3.131	101	66177	20.52	ug/l	97
8) Diethyl Ether	3.540	74	22323	21.57	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.906	101	37363	21.28	ug/l	99
10) Methyl Iodide	4.101	142	39452	19.44	ug/l	100
11) Tert butyl alcohol	4.979	59	19760	132.60	ug/l	96
12) 1,1-Dichloroethene	3.887	96	36409	21.13	ug/l	95
13) Acrolein	3.735	56	16319	124.21	ug/l	97
14) Allyl chloride	4.491	41	68277	24.87	ug/l	93
15) Acrylonitrile	5.174	53	57241	116.20	ug/l	99
16) Acetone	3.960	43	42547	111.52	ug/l	99
17) Carbon Disulfide	4.204	76	93680	20.68	ug/l	99
18) Methyl Acetate	4.491	43	27765	22.74	ug/l	95
19) Methyl tert-butyl Ether	5.241	73	110209	21.65	ug/l	97
20) Methylene Chloride	4.729	84	48165	24.47	ug/l	93
21) trans-1,2-Dichloroethene	5.235	96	40533	20.95	ug/l	94
22) Diisopropyl ether	6.131	45	148235	24.58	ug/l	98
23) Vinyl Acetate	6.076	43	473521	116.75	ug/l	98
24) 1,1-Dichloroethane	6.033	63	76242	23.21	ug/l	99
25) 2-Butanone	6.996	43	71888	112.79	ug/l	95
26) 2,2-Dichloropropane	6.990	77	68839	22.39	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	47053	21.48	ug/l	95
28) Bromochloromethane	7.344	49	33809	25.32	ug/l	92
29) Tetrahydrofuran	7.356	42	51804	115.37	ug/l	94
30) Chloroform	7.515	83	77107	22.06	ug/l	97
31) Cyclohexane	7.795	56	72022	22.25	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	69518	21.74	ug/l	99
36) 1,1-Dichloropropene	7.929	75	59316	21.21	ug/l	98
37) Ethyl Acetate	7.088	43	35457	21.61	ug/l	99
38) Carbon Tetrachloride	7.905	117	53383	21.95	ug/l	96
39) Methylcyclohexane	9.185	83	74835	21.61	ug/l	98
40) Benzene	8.167	78	169620	21.40	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	21796m	23.98	ug/l	
42) 1,2-Dichloroethane	8.246	62	52029	20.88	ug/l	100
43) Isopropyl Acetate	8.283	43	68514	22.05	ug/l	99
44) Trichloroethene	8.947	130	47684	18.89	ug/l	97
45) 1,2-Dichloropropane	9.222	63	45089	23.01	ug/l	98
46) Dibromomethane	9.313	93	23693	20.56	ug/l	97
47) Bromodichloromethane	9.502	83	59936	21.81	ug/l	99
48) Methyl methacrylate	9.301	41	32243	22.85	ug/l	95
49) 1,4-Dioxane	9.307	88	5995	371.70	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	173128	109.38	ug/l	98
52) Toluene	10.252	92	107525	21.10	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	61725	21.06	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	71830	21.93	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	32906	20.85	ug/l	95
56) Ethyl methacrylate	10.514	69	45097	20.83	ug/l	94
57) 1,3-Dichloropropane	10.795	76	58489	21.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	118502	127.90	ug/l	96
59) 2-Hexanone	10.837	43	115793	106.41	ug/l	97
60) Dibromochloromethane	10.990	129	39159	20.69	ug/l	99
61) 1,2-Dibromoethane	11.093	107	31047	19.93	ug/l	98
64) Tetrachloroethene	10.721	164	47232	17.85	ug/l	98
65) Chlorobenzene	11.520	112	112047	20.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	40451	21.06	ug/l	98
67) Ethyl Benzene	11.599	91	207269	21.29	ug/l	100
68) m/p-Xylenes	11.709	106	156510	41.86	ug/l	100
69) o-Xylene	12.032	106	73369	20.97	ug/l	100
70) Styrene	12.050	104	118681	20.39	ug/l	99
71) Bromoform	12.209	173	22370	20.45	ug/l #	97
73) Isopropylbenzene	12.331	105	197516	22.23	ug/l	99
74) N-amyl acetate	12.148	43	59950	23.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	35241	21.43	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	26659m	24.14	ug/l	
77) Bromobenzene	12.611	156	44163	21.23	ug/l	94
78) n-propylbenzene	12.672	91	232914	22.66	ug/l	98
79) 2-Chlorotoluene	12.758	91	126657	22.43	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	161413	22.27	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	13238	22.09	ug/l	97
82) 4-Chlorotoluene	12.861	91	131870	22.18	ug/l	98
83) tert-Butylbenzene	13.081	119	141011	22.52	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	159718	21.97	ug/l	99
85) sec-Butylbenzene	13.258	105	193923	22.49	ug/l	99
86) p-Isopropyltoluene	13.373	119	173458	21.63	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	82232	21.19	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	81992	21.39	ug/l	98
89) n-Butylbenzene	13.703	91	163985	22.23	ug/l	99
90) Hexachloroethane	13.959	117	22137	33.85	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	71942	20.65	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6007	19.58	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	46772	18.89	ug/l	98
94) Hexachlorobutadiene	15.117	225	26208	19.91	ug/l	97
95) Naphthalene	15.239	128	97364	18.54	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	40966	18.11	ug/l	97

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

