

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031621\
 Data File : VY004088.D
 Acq On : 16 Mar 2021 11:04
 Operator : SY/MD
 Sample : VY0316SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 11:46:14 AM

Quant Time: Mar 17 01:39:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	233276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	364479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	331657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170111	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	107932	46.88	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.76%
35) Dibromofluoromethane	7.734	113	101221	49.25	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.50%
50) Toluene-d8	10.185	98	378868	47.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.04%
62) 4-Bromofluorobenzene	12.483	95	140260	47.13	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.26%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	42353	23.61	ug/l	96
3) Chloromethane	2.119	50	49423	19.63	ug/l	100
4) Vinyl Chloride	2.259	62	55914	19.83	ug/l	98
5) Bromomethane	2.649	94	40838	22.67	ug/l	97
6) Chloroethane	2.802	64	34638	20.17	ug/l	98
7) Trichlorofluoromethane	3.137	101	75748	20.22	ug/l	97
8) Diethyl Ether	3.539	74	24488	20.39	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.917	101	42417	20.24	ug/l	98
10) Methyl Iodide	4.106	142	43053	20.10	ug/l	99
11) Tert butyl alcohol	4.972	59	20689	99.40	ug/l #	94
12) 1,1-Dichloroethene	3.887	96	40463	19.73	ug/l	92
13) Acrolein	3.747	56	16519	80.01	ug/l	99
14) Allyl chloride	4.497	41	60457	17.82	ug/l #	90
15) Acrylonitrile	5.186	53	58569	98.12	ug/l	99
16) Acetone	3.966	43	54419	97.93	ug/l	97
17) Carbon Disulfide	4.210	76	116391	19.30	ug/l	96
18) Methyl Acetate	4.497	43	25691	18.71	ug/l	92
19) Methyl tert-butyl Ether	5.240	73	117866	20.18	ug/l	98
20) Methylene Chloride	4.740	84	46600	17.60	ug/l	89
21) trans-1,2-Dichloroethene	5.240	96	45123	19.58	ug/l	91
22) Diisopropyl ether	6.137	45	130727	18.26	ug/l	93
23) Vinyl Acetate	6.076	43	443405	94.07	ug/l	96
24) 1,1-Dichloroethane	6.039	63	75067	18.88	ug/l	98
25) 2-Butanone	7.002	43	77623	96.90	ug/l #	88
26) 2,2-Dichloropropane	6.996	77	72126	18.99	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	52457	20.00	ug/l	90
28) Bromochloromethane	7.350	49	35134	20.24	ug/l	85
29) Tetrahydrofuran	7.362	42	51245	98.48	ug/l	92
30) Chloroform	7.520	83	81150	19.70	ug/l	97
31) Cyclohexane	7.795	56	74152	18.36	ug/l #	87
32) 1,1,1-Trichloroethane	7.716	97	75202	19.68	ug/l	98
36) 1,1-Dichloropropene	7.929	75	62724	19.59	ug/l	97
37) Ethyl Acetate	7.088	43	34592	20.05	ug/l	97
38) Carbon Tetrachloride	7.911	117	67512	19.87	ug/l	97
39) Methylcyclohexane	9.191	83	80980	19.58	ug/l	91
40) Benzene	8.173	78	178763	19.82	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	22491m	21.04	ug/l	
42) 1,2-Dichloroethane	8.246	62	55269	20.05	ug/l	97
43) Isopropyl Acetate	8.283	43	68052	19.66	ug/l	98
44) Trichloroethene	8.947	130	56794	21.74	ug/l	98
45) 1,2-Dichloropropane	9.227	63	43445	19.29	ug/l	99
46) Dibromomethane	9.313	93	27055	21.01	ug/l	96
47) Bromodichloromethane	9.502	83	63878	19.87	ug/l	96
48) Methyl methacrylate	9.301	41	30050	18.27	ug/l	87
49) 1,4-Dioxane	9.307	88	6474	394.98	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	172042	98.15	ug/l	96
52) Toluene	10.252	92	118947	20.36	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	66541	19.62	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	75681	19.92	ug/l	99
55) 1,1,2-Trichloroethane	10.654	97	37887	20.92	ug/l	96
56) Ethyl methacrylate	10.514	69	50057	19.78	ug/l	93
57) 1,3-Dichloropropane	10.794	76	63316	20.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	123782	115.05	ug/l	93
59) 2-Hexanone	10.837	43	122289	99.30	ug/l	97
60) Dibromochloromethane	10.989	129	47895	21.07	ug/l	99
61) 1,2-Dibromoethane	11.093	107	37276	21.14	ug/l	98
64) Tetrachloroethene	10.721	164	63330	22.81	ug/l	98
65) Chlorobenzene	11.520	112	130041	20.46	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	48206	20.28	ug/l	99
67) Ethyl Benzene	11.599	91	228962	19.62	ug/l	97
68) m/p-Xylenes	11.709	106	176245	39.60	ug/l	95
69) o-Xylene	12.032	106	84351	20.05	ug/l	93
70) Styrene	12.050	104	142743	19.81	ug/l	98
71) Bromoform	12.215	173	30056	21.13	ug/l #	98
73) Isopropylbenzene	12.331	105	229538	19.41	ug/l	99
74) N-amyl acetate	12.148	43	62159	18.36	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	37114	18.07	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	32144m	19.71	ug/l	
77) Bromobenzene	12.611	156	56825	20.80	ug/l	94
78) n-propylbenzene	12.672	91	264435	18.98	ug/l	96
79) 2-Chlorotoluene	12.757	91	149200	19.08	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	194008	19.35	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	15336	18.56	ug/l	99
82) 4-Chlorotoluene	12.855	91	159369	19.25	ug/l	97
83) tert-Butylbenzene	13.080	119	169201	19.61	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	195873	19.50	ug/l	97
85) sec-Butylbenzene	13.257	105	232094	19.51	ug/l	98
86) p-Isopropyltoluene	13.373	119	216914	19.67	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	106700	20.24	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	106027	20.15	ug/l	97
89) n-Butylbenzene	13.696	91	201753	19.22	ug/l	99
90) Hexachloroethane	13.964	117	37484	18.91	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	96312	20.60	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7793	20.08	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	66990	21.12	ug/l	99
94) Hexachlorobutadiene	15.111	225	36756	20.67	ug/l	98
95) Naphthalene	15.239	128	135930	21.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	58519	21.94	ug/l	99

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

