

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092821\
 Data File : VY006183.D
 Acq On : 28 Sep 2021 12:46
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/29/2021 6:33:17 PM

Quant Time: Sep 28 17:29:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:25:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	176587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	270327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	247990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	39505	20.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.000%	#	
35) Dibromofluoromethane	7.722	113	30188	20.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.600%	#	
50) Toluene-d8	10.185	98	125751	20.698	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.400%	#	
62) 4-Bromofluorobenzene	12.483	95	43074	20.495	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	41.000%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	43852	23.406	ug/l	99
3) Chloromethane	2.119	50	44440	21.124	ug/l	93
4) Vinyl Chloride	2.259	62	51154	21.273	ug/l	98
5) Bromomethane	2.643	94	34513	21.388	ug/l	98
6) Chloroethane	2.796	64	30280	21.407	ug/l	99
7) Trichlorofluoromethane	3.131	101	67774	21.648	ug/l	98
8) Diethyl Ether	3.534	74	21871	21.387	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	35646	21.384	ug/l	97
10) Methyl Iodide	4.101	142	36854	21.701	ug/l	94
11) Tert butyl alcohol	4.966	59	19045	113.070	ug/l #	92
12) 1,1-Dichloroethene	3.881	96	35794	21.207	ug/l	95
13) Acrolein	3.735	56	7901	80.258	ug/l	100
14) Allyl chloride	4.485	41	70330	21.900	ug/l	95
15) Acrylonitrile	5.174	53	58936	110.297	ug/l	100
16) Acetone	3.954	43	53915	102.268	ug/l	96
17) Carbon Disulfide	4.204	76	123010	21.580	ug/l	100
18) Methyl Acetate	4.485	43	39867	22.225	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	107020	22.063	ug/l	98
20) Methylene Chloride	4.722	84	43217	20.763	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	40298	21.556	ug/l	98
22) Diisopropyl ether	6.125	45	139816	21.942	ug/l	97
23) Vinyl Acetate	6.070	43	422429	111.114	ug/l	99
24) 1,1-Dichloroethane	6.027	63	73834	21.624	ug/l	98
25) 2-Butanone	6.990	43	79905	107.684	ug/l #	91
26) 2,2-Dichloropropane	6.990	77	68288	21.500	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	44851	21.537	ug/l	97
28) Bromochloromethane	7.344	49	29269	21.078	ug/l	97
29) Tetrahydrofuran	7.350	42	51933	111.161	ug/l	96
30) Chloroform	7.515	83	73424	21.549	ug/l	98
31) Cyclohexane	7.789	56	77209	20.672	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	68989	21.723	ug/l	98
36) 1,1-Dichloropropene	7.923	75	58263	21.439	ug/l	98
37) Ethyl Acetate	7.088	43	35278	22.698	ug/l	98
38) Carbon Tetrachloride	7.905	117	62508	21.821	ug/l	97
39) Methylcyclohexane	9.185	83	71865	21.228	ug/l	99
40) Benzene	8.167	78	166480	21.508	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	21451m	20.985	ug/l	
42) 1,2-Dichloroethane	8.240	62	54006	21.646	ug/l	97
43) Isopropyl Acetate	8.277	43	66955	22.065	ug/l	96
44) Trichloroethene	8.941	130	42862	21.393	ug/l	96
45) 1,2-Dichloropropane	9.222	63	40584	21.709	ug/l	99
46) Dibromomethane	9.313	93	21845	21.259	ug/l	97
47) Bromodichloromethane	9.502	83	56294	21.643	ug/l	99
48) Methyl methacrylate	9.295	41	32850	22.725	ug/l	96
49) 1,4-Dioxane	9.301	88	6113	464.876	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	174621	111.723	ug/l	96
52) Toluene	10.246	92	103011	21.555	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	61657	22.000	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	67476	21.723	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	31387	21.884	ug/l	98
56) Ethyl methacrylate	10.514	69	46944	22.123	ug/l	93
57) 1,3-Dichloropropane	10.794	76	55958	21.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	111640	107.158	ug/l	100
59) 2-Hexanone	10.837	43	126418	112.514	ug/l	97
60) Dibromochloromethane	10.990	129	37549	21.852	ug/l	100
61) 1,2-Dibromoethane	11.093	107	29355	21.653	ug/l	99
64) Tetrachloroethene	10.721	164	44632	21.626	ug/l	95
65) Chlorobenzene	11.520	112	106818	21.355	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	39106	21.670	ug/l	98
67) Ethyl Benzene	11.593	91	201037	21.603	ug/l	99
68) m/p-Xylenes	11.703	106	153002	43.550	ug/l	99
69) o-Xylene	12.032	106	73409	22.045	ug/l	96
70) Styrene	12.044	104	123467	21.984	ug/l	99
71) Bromoform	12.209	173	24761	21.834	ug/l #	99
73) Isopropylbenzene	12.331	105	194716	21.448	ug/l	99
74) N-amyl acetate	12.142	43	61183	21.863	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	35719	21.743	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	26903m	45.297	ug/l	
77) Bromobenzene	12.611	156	45390	21.139	ug/l	98
78) n-propylbenzene	12.672	91	241333	21.535	ug/l	100
79) 2-Chlorotoluene	12.758	91	133586	21.450	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	163910	21.560	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	13669	22.005	ug/l	99
82) 4-Chlorotoluene	12.855	91	136753	21.193	ug/l	99
83) tert-Butylbenzene	13.075	119	141907	21.422	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	162169	21.470	ug/l	100
85) sec-Butylbenzene	13.257	105	212867	21.453	ug/l	100
86) p-Isopropyltoluene	13.373	119	178687	21.357	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	91078	21.376	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	89860	21.160	ug/l	98
89) n-Butylbenzene	13.696	91	171176	21.547	ug/l	100
90) Hexachloroethane	13.959	117	31778	20.803	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	79926	21.307	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6734	21.369	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	52924	20.942	ug/l	100
94) Hexachlorobutadiene	15.111	225	33835	20.630	ug/l	97
95) Naphthalene	15.239	128	104488	21.292	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	46945	20.906	ug/l	99

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

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