

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092821\
 Data File : VY006181.D
 Acq On : 28 Sep 2021 12:01
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/29/2021 6:33:13 PM

Quant Time: Sep 28 17:27:38 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	188472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	293959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	268105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	10789	5.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.500%#
35) Dibromofluoromethane	7.722	113	8008	5.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.160%#
50) Toluene-d8	10.185	98	34276	5.188	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.380%#
62) 4-Bromofluorobenzene	12.483	95	11345	4.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	9.920%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	8626	4.314	ug/l	91
3) Chloromethane	2.119	50	10362	4.615	ug/l	89
4) Vinyl Chloride	2.260	62	12355	4.814	ug/l	98
5) Bromomethane	2.656	94	8761	5.087	ug/l	90
6) Chloroethane	2.802	64	7160	4.743	ug/l	100
7) Trichlorofluoromethane	3.131	101	16088	4.815	ug/l	93
8) Diethyl Ether	3.534	74	5275	4.833	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.912	101	8619	4.844	ug/l	97
10) Methyl Iodide	4.101	142	7939	4.380	ug/l	93
11) Tert butyl alcohol	4.954	59	4502	25.043	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	8743	4.853	ug/l	99
13) Acrolein	3.741	56	3063	29.152	ug/l	97
14) Allyl chloride	4.491	41	16033	4.678	ug/l	98
15) Acrylonitrile	5.168	53	13643	23.922	ug/l	97
16) Acetone	3.960	43	13041	23.177	ug/l	99
17) Carbon Disulfide	4.198	76	28965	4.761	ug/l	95
18) Methyl Acetate	4.491	43	9235	4.824	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	23938	4.624	ug/l	94
20) Methylene Chloride	4.729	84	14648	6.594	ug/l	86
21) trans-1,2-Dichloroethene	5.235	96	9573	4.798	ug/l #	92
22) Diisopropyl ether	6.125	45	31443	4.623	ug/l #	94
23) Vinyl Acetate	6.064	43	92472	22.790	ug/l	99
24) 1,1-Dichloroethane	6.027	63	17909	4.914	ug/l	98
25) 2-Butanone	6.996	43	17579	22.196	ug/l #	90
26) 2,2-Dichloropropane	6.990	77	16160	4.767	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	10618	4.777	ug/l	94
28) Bromochloromethane	7.338	49	7381	4.980	ug/l	94
29) Tetrahydrofuran	7.356	42	11900	23.865	ug/l	99
30) Chloroform	7.515	83	17838	4.905	ug/l	95
31) Cyclohexane	7.789	56	20838	5.227	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	16177	4.773	ug/l	99
36) 1,1-Dichloropropene	7.923	75	14120	4.778	ug/l	99
37) Ethyl Acetate	7.088	43	8534	5.049	ug/l	98
38) Carbon Tetrachloride	7.905	117	15005	4.817	ug/l	91
39) Methylcyclohexane	9.185	83	17607	4.783	ug/l	98
40) Benzene	8.167	78	39597	4.704	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	5532m	4.977	ug/l	
42) 1,2-Dichloroethane	8.246	62	12972	4.781	ug/l	95
43) Isopropyl Acetate	8.277	43	14906	4.517	ug/l	96
44) Trichloroethene	8.947	130	10534	4.835	ug/l	89
45) 1,2-Dichloropropane	9.222	63	10007	4.923	ug/l	100
46) Dibromomethane	9.307	93	5145	4.605	ug/l	97
47) Bromodichloromethane	9.502	83	13256	4.687	ug/l	94
48) Methyl methacrylate	9.295	41	6736	4.285	ug/l	93
49) 1,4-Dioxane	9.313	88	1261	88.186	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	38573	22.695	ug/l	97
52) Toluene	10.246	92	24242	4.665	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	14609	4.794	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	15634	4.629	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	7126	4.569	ug/l	97
56) Ethyl methacrylate	10.514	69	10004	4.336	ug/l	95
57) 1,3-Dichloropropane	10.795	76	13396	4.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	27364	24.154	ug/l	99
59) 2-Hexanone	10.831	43	26700	21.853	ug/l	96
60) Dibromochloromethane	10.990	129	8689	4.650	ug/l	100
61) 1,2-Dibromoethane	11.093	107	6803	4.615	ug/l	98
64) Tetrachloroethene	10.721	164	10874	4.874	ug/l	96
65) Chlorobenzene	11.520	112	25742	4.760	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	9334	4.784	ug/l	98
67) Ethyl Benzene	11.593	91	46318	4.604	ug/l	98
68) m/p-Xylenes	11.703	106	35830	9.433	ug/l	96
69) o-Xylene	12.032	106	16569	4.603	ug/l	99
70) Styrene	12.044	104	27512	4.531	ug/l	98
71) Bromoform	12.209	173	5712	4.659	ug/l #	98
73) Isopropylbenzene	12.331	105	44431	4.632	ug/l	100
74) N-amyl acetate	12.148	43	13271	4.488	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	8365	4.819	ug/l	93
76) 1,2,3-Trichloropropane	12.636	75	7234m	11.527	ug/l	
77) Bromobenzene	12.611	156	10691	4.712	ug/l	97
78) n-propylbenzene	12.672	91	55468	4.684	ug/l	99
79) 2-Chlorotoluene	12.758	91	30614	4.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	37660	4.688	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	3028	4.613	ug/l	94
82) 4-Chlorotoluene	12.855	91	32619	4.784	ug/l	99
83) tert-Butylbenzene	13.075	119	31824	4.547	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	36782	4.609	ug/l	100
85) sec-Butylbenzene	13.258	105	48499	4.626	ug/l	100
86) p-Isopropyltoluene	13.367	119	40047	4.530	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	21442	4.763	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	21891	4.879	ug/l	94
89) n-Butylbenzene	13.697	91	39673	4.726	ug/l	99
90) Hexachloroethane	13.965	117	7730	4.789	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	18920	4.773	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1688	5.069	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	12254	4.589	ug/l	96
94) Hexachlorobutadiene	15.117	225	8457	4.880	ug/l	99
95) Naphthalene	15.239	128	24686	4.761	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	11267	4.749	ug/l	98

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

