

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110121\
 Data File : VY006567.D
 Acq On : 01 Nov 2021 21:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/02/2021
 Supervised By :Semsettin Yesilyurt 11/03/2021

Quant Time: Nov 02 03:32:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	145385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	238891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	223737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99344	55.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.060%			
35) Dibromofluoromethane	7.722	113	69546	52.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.460%			
50) Toluene-d8	10.185	98	287546	50.943	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.880%			
62) 4-Bromofluorobenzene	12.483	95	99830	52.504	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	64280	47.831	ug/l	98
3) Chloromethane	2.119	50	92248	50.854	ug/l	99
4) Vinyl Chloride	2.260	62	100939	49.824	ug/l	97
5) Bromomethane	2.650	94	72221	53.510	ug/l	99
6) Chloroethane	2.796	64	48158	40.255	ug/l	91
7) Trichlorofluoromethane	3.131	101	118684	46.137	ug/l	99
8) Diethyl Ether	3.540	74	48874	58.013	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.906	101	68208	52.081	ug/l	97
10) Methyl Iodide	4.101	142	56056	40.243	ug/l	97
11) Tert butyl alcohol	4.966	59	45206	278.140	ug/l	99
12) 1,1-Dichloroethene	3.881	96	70107	53.413	ug/l	96
13) Acrolein	3.735	56	27918	248.468	ug/l	99
14) Allyl chloride	4.491	41	155223	57.458	ug/l	98
15) Acrylonitrile	5.174	53	146052	307.850	ug/l	99
16) Acetone	3.954	43	126635	245.821	ug/l	98
17) Carbon Disulfide	4.204	76	234356	54.437	ug/l	99
18) Methyl Acetate	4.485	43	106400	63.694	ug/l	98
19) Methyl tert-butyl Ether	5.229	73	247398	58.791	ug/l	97
20) Methylene Chloride	4.722	84	90140	56.924	ug/l	97
21) trans-1,2-Dichloroethene	5.229	96	81736	54.913	ug/l	94
22) Diisopropyl ether	6.125	45	347287	64.502	ug/l	96
23) Vinyl Acetate	6.070	43	1041700	318.105	ug/l	98
24) 1,1-Dichloroethane	6.027	63	166418	59.112	ug/l	99
25) 2-Butanone	6.990	43	206639	306.178	ug/l	94
26) 2,2-Dichloropropane	6.990	77	128638	48.039	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	94846	55.816	ug/l	96
28) Bromochloromethane	7.344	49	72639	63.593	ug/l	89
29) Tetrahydrofuran	7.356	42	138873	335.395	ug/l	93
30) Chloroform	7.515	83	161047	55.392	ug/l	96
31) Cyclohexane	7.789	56	153737	53.080	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	137142	51.085	ug/l	99
36) 1,1-Dichloropropene	7.923	75	120354	50.988	ug/l	99
37) Ethyl Acetate	7.082	43	89933	60.203	ug/l	99
38) Carbon Tetrachloride	7.905	117	120706	46.355	ug/l	99
39) Methylcyclohexane	9.185	83	143732	50.022	ug/l	96
40) Benzene	8.167	78	356701	52.984	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	58318m	68.800	ug/l	
42) 1,2-Dichloroethane	8.240	62	121907	50.708	ug/l	98
43) Isopropyl Acetate	8.277	43	175865	60.686	ug/l	98
44) Trichloroethene	8.941	130	89757	51.695	ug/l	96
45) 1,2-Dichloropropane	9.222	63	96399	57.809	ug/l	99
46) Dibromomethane	9.307	93	50018	54.644	ug/l	96
47) Bromodichloromethane	9.502	83	127050	53.356	ug/l	99
48) Methyl methacrylate	9.295	41	80113	59.647	ug/l	97
49) 1,4-Dioxane	9.301	88	11959	962.347	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	475317	312.888	ug/l	99
52) Toluene	10.246	92	215706	51.067	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	136897	53.367	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	150382	54.109	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	69922	55.248	ug/l	96
56) Ethyl methacrylate	10.514	69	115069	58.852	ug/l	98
57) 1,3-Dichloropropane	10.795	76	127934	55.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	257071	288.216	ug/l	96
59) 2-Hexanone	10.831	43	329345	299.550	ug/l	100
60) Dibromochloromethane	10.990	129	81636	52.294	ug/l	99
61) 1,2-Dibromoethane	11.087	107	66466	55.781	ug/l	97
64) Tetrachloroethene	10.721	164	105913	54.138	ug/l	97
65) Chlorobenzene	11.514	112	224544	51.568	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	84442	51.515	ug/l	97
67) Ethyl Benzene	11.593	91	424944	51.252	ug/l	100
68) m/p-Xylenes	11.703	106	317778	101.879	ug/l	100
69) o-Xylene	12.032	106	153476	51.566	ug/l	99
70) Styrene	12.044	104	264691	52.015	ug/l	100
71) Bromoform	12.209	173	53926	52.044	ug/l #	98
73) Isopropylbenzene	12.331	105	400862	52.477	ug/l	99
74) N-amyl acetate	12.142	43	160398	63.298	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	75548	57.127	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	71174m	63.250	ug/l	
77) Bromobenzene	12.611	156	94061	52.265	ug/l	93
78) n-propylbenzene	12.672	91	499676	52.931	ug/l	99
79) 2-Chlorotoluene	12.758	91	280441	53.660	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	335817	52.502	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	30236	55.162	ug/l	96
82) 4-Chlorotoluene	12.855	91	296039	54.362	ug/l	98
83) tert-Butylbenzene	13.075	119	282377	51.374	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	334471	52.298	ug/l	98
85) sec-Butylbenzene	13.251	105	431064	52.230	ug/l	99
86) p-Isopropyltoluene	13.367	119	360807	51.245	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	183864	50.903	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	181684	51.157	ug/l	99
89) n-Butylbenzene	13.696	91	347507	52.468	ug/l	99
90) Hexachloroethane	13.959	117	66345	52.174	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	162203	51.197	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15215	54.194	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	101200	48.387	ug/l	98
94) Hexachlorobutadiene	15.111	225	61811	46.112	ug/l	99
95) Naphthalene	15.239	128	215321	52.597	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	89405	48.814	ug/l	99

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

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