

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011920.D
 Acq On : 20 Dec 2022 14:28
 Operator : KP/MD
 Sample : VY1220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBS01

Quant Time: Dec 20 14:51:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	227738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	356571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	317824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116079	50.592	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.180%			
35) Dibromofluoromethane	7.716	113	106593	49.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.320%			
50) Toluene-d8	10.179	98	438404	50.336	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.483	95	146191	49.908	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22987	14.498	ug/l	95
3) Chloromethane	2.113	50	32292	15.932	ug/l	95
4) Vinyl Chloride	2.253	62	36240	16.213	ug/l	97
5) Bromomethane	2.650	94	30553	19.213	ug/l	95
6) Chloroethane	2.790	64	25838	17.684	ug/l	99
7) Trichlorofluoromethane	3.125	101	70850	18.107	ug/l	99
8) Diethyl Ether	3.534	74	22675	18.781	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.900	101	39554	18.363	ug/l	98
10) Methyl Iodide	4.095	142	46967	15.759	ug/l	99
11) Tert butyl alcohol	4.954	59	20862	66.767	ug/l	97
12) 1,1-Dichloroethene	3.869	96	40126	18.623	ug/l	97
13) Acrolein	3.729	56	23821	111.064	ug/l	100
14) Allyl chloride	4.479	41	59713	18.819	ug/l	96
15) Acrylonitrile	5.161	53	54231	96.561	ug/l	100
16) Acetone	3.948	43	51771	78.978	ug/l	96
17) Carbon Disulfide	4.192	76	121487	17.676	ug/l	100
18) Methyl Acetate	4.473	43	32516	20.509	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	107558	19.455	ug/l	97
20) Methylene Chloride	4.716	84	60957	19.402	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	46540	19.010	ug/l	98
22) Diisopropyl ether	6.119	45	125842	20.137	ug/l	98
23) Vinyl Acetate	6.058	43	346139	96.272	ug/l	99
24) 1,1-Dichloroethane	6.015	63	78682	19.370	ug/l	98
25) 2-Butanone	6.984	43	69209	90.554	ug/l	97
26) 2,2-Dichloropropane	6.978	77	76034	19.129	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	51106	19.300	ug/l	99
28) Bromochloromethane	7.332	49	22435	20.126	ug/l	93
29) Tetrahydrofuran	7.344	42	42675	98.551	ug/l	96
30) Chloroform	7.509	83	85463	19.520	ug/l	100
31) Cyclohexane	7.783	56	72871	18.866	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	79778	19.157	ug/l	100
36) 1,1-Dichloropropene	7.917	75	66533	19.322	ug/l	99
37) Ethyl Acetate	7.076	43	29106	18.841	ug/l	98
38) Carbon Tetrachloride	7.899	117	75507	18.987	ug/l	97
39) Methylcyclohexane	9.185	83	76814	18.540	ug/l	98
40) Benzene	8.161	78	189110	19.191	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	15046m	20.141	ug/l	
42) 1,2-Dichloroethane	8.240	62	55302	19.495	ug/l	100
43) Isopropyl Acetate	8.271	43	53587	18.993	ug/l	96
44) Trichloroethene	8.935	130	53794	19.368	ug/l	98
45) 1,2-Dichloropropane	9.216	63	43507	19.109	ug/l	100
46) Dibromomethane	9.307	93	25283	19.278	ug/l	99
47) Bromodichloromethane	9.496	83	64301	19.326	ug/l	98
48) Methyl methacrylate	9.295	41	24717	18.921	ug/l	94
49) 1,4-Dioxane	9.301	88	6180	394.685	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	146225	97.195	ug/l	100
52) Toluene	10.246	92	121397	19.336	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	64339	19.137	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	74173	19.628	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	36044	19.368	ug/l	99
56) Ethyl methacrylate	10.508	69	45618	19.360	ug/l	99
57) 1,3-Dichloropropane	10.789	76	60951	19.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	92105	101.299	ug/l	99
59) 2-Hexanone	10.831	43	104295	94.232	ug/l	99
60) Dibromochloromethane	10.984	129	46344	19.768	ug/l	96
61) 1,2-Dibromoethane	11.087	107	34935	20.064	ug/l	97
64) Tetrachloroethene	10.721	164	54603	19.628	ug/l	97
65) Chlorobenzene	11.514	112	130359	19.754	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	48094	19.588	ug/l	99
67) Ethyl Benzene	11.593	91	233932	19.611	ug/l	100
68) m/p-Xylenes	11.703	106	183948	39.651	ug/l	99
69) o-Xylene	12.032	106	85416	19.788	ug/l	100
70) Styrene	12.044	104	143939	19.860	ug/l	99
71) Bromoform	12.209	173	28914	19.874	ug/l #	98
73) Isopropylbenzene	12.331	105	233618	19.899	ug/l	99
74) N-amyl acetate	12.142	43	46983	19.521	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	39254	20.043	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	30561m	15.524	ug/l	
77) Bromobenzene	12.611	156	53811	19.812	ug/l	98
78) n-propylbenzene	12.672	91	281180	19.925	ug/l	99
79) 2-Chlorotoluene	12.758	91	156684	19.753	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	202772	20.174	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	14764	20.538	ug/l	96
82) 4-Chlorotoluene	12.855	91	164380	20.028	ug/l	100
83) tert-Butylbenzene	13.075	119	171286	20.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	198768	20.101	ug/l	98
85) sec-Butylbenzene	13.252	105	257273	20.226	ug/l	100
86) p-Isopropyltoluene	13.367	119	216755	20.195	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	107812	19.738	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	107910	19.872	ug/l	99
89) n-Butylbenzene	13.697	91	192568	19.819	ug/l	99
90) Hexachloroethane	13.959	117	40666	19.857	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	96268	20.216	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6755	20.070	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	58819	20.997	ug/l	100
94) Hexachlorobutadiene	15.111	225	38318	21.170	ug/l	98
95) Naphthalene	15.233	128	107288	20.169	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	49954	21.092	ug/l	99

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

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