

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101223\
 Data File : VY015941.D
 Acq On : 12 Oct 2023 18:19
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 13 12:54:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 09:06:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/13/2023
 Supervised By :Semsettin Yesilyurt 10/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	226022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	367037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	342044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	52384	20.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.620%#		
35) Dibromofluoromethane	7.716	113	47668	20.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.260%#		
50) Toluene-d8	10.179	98	182158	21.050	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	42.100%#		
62) 4-Bromofluorobenzene	12.483	95	64175	20.827	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35328	18.680	ug/l	98
3) Chloromethane	2.107	50	68633	20.755	ug/l	99
4) Vinyl Chloride	2.247	62	45659	18.873	ug/l	92
5) Bromomethane	2.643	94	21368	15.615	ug/l	98
6) Chloroethane	2.790	64	30163	19.114	ug/l	93
7) Trichlorofluoromethane	3.113	101	80771	19.683	ug/l	99
8) Diethyl Ether	3.527	74	31182	20.332	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	47013	20.149	ug/l	93
10) Methyl Iodide	4.082	142	48999	18.262	ug/l	95
11) Tert butyl alcohol	4.923	59	150182	100.467	ug/l #	92
12) 1,1-Dichloroethene	3.863	96	43712	19.886	ug/l	91
13) Acrolein	3.735	56	54428	111.720	ug/l	99
14) Allyl chloride	4.472	41	72361	20.372	ug/l	90
15) Acrylonitrile	5.173	53	148532	109.938	ug/l	98
16) Acetone	3.966	43	161306	107.038	ug/l	90
17) Carbon Disulfide	4.186	76	129608	19.291	ug/l	99
18) Methyl Acetate	4.485	43	116401	22.395	ug/l	92
19) Methyl tert-butyl Ether	5.228	73	145698	19.773	ug/l	97
20) Methylene Chloride	4.710	84	61447	18.895	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	50677	19.724	ug/l	95
22) Diisopropyl ether	6.118	45	149218	20.231	ug/l	98
23) Vinyl Acetate	6.064	43	491686	101.330	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	87293	19.891	ug/l	96
25) 2-Butanone	6.996	43	237390	105.281	ug/l	93
26) 2,2-Dichloropropane	6.984	77	67444	18.508	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	57895	20.040	ug/l	91
28) Bromochloromethane	7.338	49	40981	20.926	ug/l	92
29) Tetrahydrofuran	7.356	42	170540	114.080	ug/l	92
30) Chloroform	7.508	83	90734	19.920	ug/l	97
31) Cyclohexane	7.783	56	80035	19.491	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	79866	19.715	ug/l	98
36) 1,1-Dichloropropene	7.917	75	68903	19.763	ug/l	99
37) Ethyl Acetate	7.082	43	96483	17.637	ug/l	99
38) Carbon Tetrachloride	7.899	117	73948	20.139	ug/l	96
39) Methylcyclohexane	9.185	83	88802	19.852	ug/l	94
40) Benzene	8.161	78	202398	20.064	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	44034m	24.870	ug/l	
42) 1,2-Dichloroethane	8.240	62	66259	20.470	ug/l	95
43) Isopropyl Acetate	8.277	43	116192	20.141	ug/l #	96
44) Trichloroethene	8.941	130	62555	20.122	ug/l	94
45) 1,2-Dichloropropane	9.215	63	51916	20.168	ug/l	96
46) Dibromomethane	9.307	93	36435	20.137	ug/l	97
47) Bromodichloromethane	9.496	83	71705	19.625	ug/l	98
48) Methyl methacrylate	9.295	41	53621	21.005	ug/l	86
49) 1,4-Dioxane	9.319	88	22059	428.786	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	442573	103.910	ug/l	91
52) Toluene	10.246	92	131526	20.392	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	79960	19.518	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	86681	19.683	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	50694	19.679	ug/l	99
56) Ethyl methacrylate	10.514	69	82968	20.573	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	88867	20.335	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	211191	119.339	ug/l	94
59) 2-Hexanone	10.831	43	411235	113.111	ug/l	87
60) Dibromochloromethane	10.983	129	59972	20.472	ug/l	100
61) 1,2-Dibromoethane	11.087	107	57221	20.528	ug/l	99
64) Tetrachloroethene	10.721	164	60339	20.236	ug/l	97
65) Chlorobenzene	11.520	112	143098	19.967	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	52975	19.968	ug/l	98
67) Ethyl Benzene	11.593	91	249758	19.931	ug/l	99
68) m/p-Xylenes	11.703	106	195357	40.396	ug/l	95
69) o-Xylene	12.032	106	93872	20.303	ug/l	96
70) Styrene	12.044	104	160070	20.343	ug/l	96
71) Bromoform	12.209	173	45670	20.215	ug/l #	98
73) Isopropylbenzene	12.331	105	245820	20.152	ug/l	99
74) N-amyl acetate	12.148	43	102960	20.893	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	77269	20.623	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	74929m	23.682	ug/l	
77) Bromobenzene	12.611	156	60680	19.815	ug/l	89
78) n-propylbenzene	12.672	91	297555	20.060	ug/l	99
79) 2-Chlorotoluene	12.757	91	168025	20.027	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	203621	20.092	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	29239	20.425	ug/l	93
82) 4-Chlorotoluene	12.855	91	172826	20.043	ug/l	100
83) tert-Butylbenzene	13.074	119	180328	20.250	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	204263	20.079	ug/l	98
85) sec-Butylbenzene	13.257	105	267798	20.263	ug/l	100
86) p-Isopropyltoluene	13.373	119	221551	20.061	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	117662	20.008	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	118847	20.013	ug/l	99
89) n-Butylbenzene	13.696	91	207907	20.019	ug/l	97
90) Hexachloroethane	13.965	117	41120	19.426	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	109938	19.925	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22782	21.255	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	71627	19.750	ug/l	98
94) Hexachlorobutadiene	15.111	225	36904	20.041	ug/l	96
95) Naphthalene	15.239	128	236638	20.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	68820	19.794	ug/l	99

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

