

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016736.D
 Acq On : 21 Dec 2023 03:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 21 04:02:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	153489	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	274747	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	234857	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	99387	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	75889	54.160	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.320%			
35) Dibromofluoromethane	7.746	113	78446	49.844	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.680%			
50) Toluene-d8	10.203	98	279394	49.246	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.502	95	90881	49.375	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	52607	40.106	ug/l	97
3) Chloromethane	2.131	50	92412	45.834	ug/l	99
4) Vinyl Chloride	2.272	62	104039	45.683	ug/l	98
5) Bromomethane	2.674	94	76492	47.157	ug/l	97
6) Chloroethane	2.820	64	72749	47.142	ug/l	99
7) Trichlorofluoromethane	3.156	101	115228	43.433	ug/l	99
8) Diethyl Ether	3.558	74	44282	52.177	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.930	101	71121	43.701	ug/l	99
10) Methyl Iodide	4.125	142	86118	50.781	ug/l	99
11) Tert butyl alcohol	4.997	59	27504	239.404	ug/l	100
12) 1,1-Dichloroethene	3.906	96	68280	47.121	ug/l	98
13) Acrolein	3.759	56	22376	252.433	ug/l	100
14) Allyl chloride	4.515	41	112513	50.695	ug/l	99
15) Acrylonitrile	5.204	53	98147	273.080	ug/l	99
16) Acetone	3.979	43	77846	205.454	ug/l	100
17) Carbon Disulfide	4.229	76	193880	49.175	ug/l	97
18) Methyl Acetate	4.515	43	91214	61.601	ug/l	100
19) Methyl tert-butyl Ether	5.259	73	197197	52.891	ug/l	98
20) Methylene Chloride	4.753	84	94361	49.510	ug/l	98
21) trans-1,2-Dichloroethene	5.259	96	82893	50.159	ug/l	97
22) Diisopropyl ether	6.155	45	262358	52.251	ug/l	97
23) Vinyl Acetate	6.100	43	603676	254.203	ug/l	98
24) 1,1-Dichloroethane	6.058	63	151955	50.379	ug/l	98
25) 2-Butanone	7.021	43	123363	236.476	ug/l	100
26) 2,2-Dichloropropane	7.021	77	118341	44.960	ug/l	100
27) cis-1,2-Dichloroethene	7.021	96	96424	50.697	ug/l	99
28) Bromochloromethane	7.368	49	67075	56.185	ug/l	99
29) Tetrahydrofuran	7.381	42	80323	281.588	ug/l	99
30) Chloroform	7.539	83	154439	50.016	ug/l	99
31) Cyclohexane	7.819	56	116663	43.456	ug/l	98
32) 1,1,1-Trichloroethane	7.734	97	128669	47.472	ug/l	100
36) 1,1-Dichloropropene	7.947	75	112274	44.499	ug/l	100
37) Ethyl Acetate	7.106	43	55722	51.525	ug/l	99
38) Carbon Tetrachloride	7.935	117	108077	43.288	ug/l	97
39) Methylcyclohexane	9.209	83	129399	44.420	ug/l	97
40) Benzene	8.191	78	348418	47.454	ug/l	99

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 Supervised By :Semsettin Yesilyurt 12/21/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	32442	56.501	ug/l	99
42) 1,2-Dichloroethane	8.265	62	94136	49.143	ug/l	100
43) Isopropyl Acetate	8.295	43	107372	51.119	ug/l	99
44) Trichloroethene	8.966	130	86602	46.213	ug/l	98
45) 1,2-Dichloropropane	9.240	63	88441	48.019	ug/l	97
46) Dibromomethane	9.331	93	46929	49.323	ug/l	98
47) Bromodichloromethane	9.520	83	118726	47.343	ug/l	96
48) Methyl methacrylate	9.319	41	59944	51.351	ug/l	96
49) 1,4-Dioxane	9.325	88	9655	1045.496	ug/l	97
51) 4-Methyl-2-Pentanone	10.093	43	293092	261.894	ug/l	99
52) Toluene	10.264	92	210623	47.869	ug/l	99
53) t-1,3-Dichloropropene	10.484	75	112486	49.192	ug/l	98
54) cis-1,3-Dichloropropene	9.953	75	133135	48.269	ug/l	97
55) 1,1,2-Trichloroethane	10.667	97	65713	48.407	ug/l	99
56) Ethyl methacrylate	10.532	69	63293	53.022	ug/l	97
57) 1,3-Dichloropropane	10.813	76	114140	49.502	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	169221	263.517	ug/l	99
59) 2-Hexanone	10.849	43	198666	238.071	ug/l	99
60) Dibromochloromethane	11.008	129	76791	48.899	ug/l	99
61) 1,2-Dibromoethane	11.112	107	61148	50.228	ug/l	99
64) Tetrachloroethene	10.746	164	70262	48.160	ug/l	98
65) Chlorobenzene	11.538	112	216016	46.814	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	81869	47.156	ug/l	99
67) Ethyl Benzene	11.611	91	396369	46.670	ug/l	99
68) m/p-Xylenes	11.721	106	296426	94.517	ug/l	100
69) o-Xylene	12.050	106	139151	48.363	ug/l	99
70) Styrene	12.063	104	204941	48.136	ug/l	99
71) Bromoform	12.227	173	42256	48.820	ug/l #	96
73) Isopropylbenzene	12.349	105	369818	47.778	ug/l	100
74) N-amyl acetate	12.160	43	83862	51.625	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	78086	50.483	ug/l	97
76) 1,2,3-Trichloropropane	12.654	75	53827m	48.993	ug/l	
77) Bromobenzene	12.630	156	81647	48.351	ug/l	99
78) n-propylbenzene	12.691	91	442658	47.201	ug/l	100
79) 2-Chlorotoluene	12.776	91	246249	47.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	294955	48.139	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	22068	47.171	ug/l	100
82) 4-Chlorotoluene	12.873	91	256837	48.244	ug/l	99
83) tert-Butylbenzene	13.093	119	256306	48.091	ug/l	99
84) 1,2,4-Trimethylbenzene	13.142	105	294302	48.711	ug/l	100
85) sec-Butylbenzene	13.270	105	370178	46.893	ug/l	99
86) p-Isopropyltoluene	13.386	119	310080	47.167	ug/l	100
87) 1,3-Dichlorobenzene	13.386	146	153320	46.460	ug/l	100
88) 1,4-Dichlorobenzene	13.465	146	150579	46.729	ug/l	99
89) n-Butylbenzene	13.715	91	290994	46.304	ug/l	100
90) Hexachloroethane	13.977	117	63899	46.678	ug/l	99
91) 1,2-Dichlorobenzene	13.757	146	135117	48.061	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	9759	48.672	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	71086	47.653	ug/l	98
94) Hexachlorobutadiene	15.129	225	37588	44.363	ug/l	98
95) Naphthalene	15.251	128	146513	45.939	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	62301	49.037	ug/l	99

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

