

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041624\
 Data File : VY017940.D
 Acq On : 16 Apr 2024 11:08
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/17/2024
 Supervised By :Semsettin Yesilyurt 04/17/2024

Quant Time: Apr 17 06:04:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:02:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	388630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	651634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	571646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	261082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18067	5.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.740%#		
35) Dibromofluoromethane	7.722	113	20361	5.065	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.120%#		
50) Toluene-d8	10.179	98	72317	4.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.480%#		
62) 4-Bromofluorobenzene	12.483	95	22814	4.829	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	17325	5.619	ug/l	94
3) Chloromethane	2.107	50	31245	6.116	ug/l	97
4) Vinyl Chloride	2.247	62	33313	5.785	ug/l	97
5) Bromomethane	2.650	94	20703	5.402	ug/l	92
6) Chloroethane	2.790	64	20670	5.686	ug/l	96
7) Trichlorofluoromethane	3.119	101	34888	5.376	ug/l	95
8) Diethyl Ether	3.521	74	11179	5.452	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	21793	5.393	ug/l	99
10) Methyl Iodide	4.088	142	27303	5.078	ug/l	99
11) Tert butyl alcohol	4.954	59	8583	22.282	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	20636	5.260	ug/l	94
13) Acrolein	3.729	56	6725	25.676	ug/l	91
14) Allyl chloride	4.479	41	26850	5.289	ug/l	92
15) Acrylonitrile	5.161	53	22365	26.862	ug/l	97
16) Acetone	3.948	43	19341	29.106	ug/l	92
17) Carbon Disulfide	4.192	76	68586	5.496	ug/l	96
18) Methyl Acetate	4.479	43	11284	6.455	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	43780	5.121	ug/l	99
20) Methylene Chloride	4.716	84	25569	5.680	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	23105	5.376	ug/l	91
22) Diisopropyl ether	6.112	45	55763	5.010	ug/l #	87
23) Vinyl Acetate	6.057	43	160366	24.298	ug/l	100
24) 1,1-Dichloroethane	6.021	63	38731	5.330	ug/l	96
25) 2-Butanone	6.990	43	24853	25.445	ug/l	90
26) 2,2-Dichloropropane	6.978	77	30342	5.204	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	25074	5.109	ug/l	96
28) Bromochloromethane	7.338	49	16047	5.614	ug/l	93
29) Tetrahydrofuran	7.344	42	15946	25.726	ug/l	94
30) Chloroform	7.508	83	40457	5.447	ug/l	92
31) Cyclohexane	7.789	56	36377	5.659	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	32585	5.268	ug/l	97
36) 1,1-Dichloropropene	7.917	75	28845	4.934	ug/l	98
37) Ethyl Acetate	7.069	43	12186	5.066	ug/l #	98
38) Carbon Tetrachloride	7.905	117	29393	4.976	ug/l	96
39) Methylcyclohexane	9.185	83	35184	4.618	ug/l	92
40) Benzene	8.161	78	92630	5.058	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	7106m	4.681	ug/l	
42) 1,2-Dichloroethane	8.240	62	21516	5.128	ug/l	100
43) Isopropyl Acetate	8.271	43	22181	4.947	ug/l #	80
44) Trichloroethene	8.941	130	22844	4.909	ug/l	99
45) 1,2-Dichloropropane	9.215	63	21785	5.168	ug/l	100
46) Dibromomethane	9.307	93	11718	5.025	ug/l	97
47) Bromodichloromethane	9.496	83	29076	4.970	ug/l	99
48) Methyl methacrylate	9.295	41	9298	4.525	ug/l	98
49) 1,4-Dioxane	9.301	88	2550	95.793	ug/l #	98
51) 4-Methyl-2-Pentanone	10.069	43	57191	24.060	ug/l	94
52) Toluene	10.246	92	52807	4.699	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	24833	4.650	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	31134	4.745	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	15473	4.881	ug/l	94
56) Ethyl methacrylate	10.508	69	17552	4.247	ug/l	94
57) 1,3-Dichloropropane	10.788	76	26681	4.971	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	47141	21.946	ug/l	98
59) 2-Hexanone	10.831	43	35367	21.796	ug/l	96
60) Dibromochloromethane	10.983	129	19560	4.801	ug/l	99
61) 1,2-Dibromoethane	11.093	107	14341	4.855	ug/l	95
64) Tetrachloroethene	10.721	164	19630	4.794	ug/l	95
65) Chlorobenzene	11.514	112	62441	4.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	20066	4.857	ug/l	98
67) Ethyl Benzene	11.593	91	98284	4.659	ug/l	99
68) m/p-Xylenes	11.703	106	73677	9.093	ug/l	100
69) o-Xylene	12.032	106	33741	4.459	ug/l	98
70) Styrene	12.044	104	54733	4.280	ug/l	98
71) Bromoform	12.209	173	11549	4.839	ug/l #	97
73) Isopropylbenzene	12.331	105	86882	4.567	ug/l	100
74) N-amyl acetate	12.142	43	17319	4.510	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	18406	5.188	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	12947m	5.298	ug/l	
77) Bromobenzene	12.611	156	22398	4.865	ug/l	96
78) n-propylbenzene	12.672	91	107057	4.638	ug/l	99
79) 2-Chlorotoluene	12.758	91	62598	4.845	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	68094	4.514	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	5544	4.666	ug/l	97
82) 4-Chlorotoluene	12.855	91	65022	4.859	ug/l	97
83) tert-Butylbenzene	13.075	119	61886	4.492	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	67479	4.492	ug/l	99
85) sec-Butylbenzene	13.251	105	97262	4.700	ug/l	99
86) p-Isopropyltoluene	13.367	119	74593	4.387	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	45355	4.965	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	46144	5.146	ug/l	96
89) n-Butylbenzene	13.696	91	73393	4.588	ug/l	99
90) Hexachloroethane	13.959	117	17411	4.993	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	39463	5.008	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2386	5.228	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	21610	4.709	ug/l	100
94) Hexachlorobutadiene	15.111	225	13392	4.919	ug/l	99
95) Naphthalene	15.233	128	31995	4.231	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	18022	4.680	ug/l	98

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

