

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090924\
 Data File : VY019454.D
 Acq On : 09 Sep 2024 09:52
 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 09/10/2024
 Supervised By :Semsettin Yesilyurt 09/10/2024

Quant Time: Sep 09 15:40:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 15:39:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	716947	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	1202321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	999840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	457730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30085	4.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.060%#		
35) Dibromofluoromethane	7.634	113	31706	4.651	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.300%#		
50) Toluene-d8	10.109	98	118500	4.700	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.400%#		
62) 4-Bromofluorobenzene	12.408	95	51049	5.265	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	10.540%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	26897	3.016	ug/l	96
3) Chloromethane	2.074	50	32718	5.516	ug/l	97
4) Vinyl Chloride	2.208	62	32318	5.039	ug/l	97
5) Bromomethane	2.599	94	18274	4.638	ug/l	88
6) Chloroethane	2.739	64	21523	5.150	ug/l	100
7) Trichlorofluoromethane	3.062	101	54502	5.097	ug/l	93
8) Diethyl Ether	3.452	74	16393	4.568	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.818	101	34174	5.167	ug/l	99
10) Methyl Iodide	4.001	142	41113	4.848	ug/l	95
11) Tert butyl alcohol	4.854	59	11963	22.313	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	32778	5.153	ug/l	93
13) Acrolein	3.659	56	9222m	21.256	ug/l	
14) Allyl chloride	4.385	41	56929	4.991	ug/l #	85
15) Acrylonitrile	5.055	53	32664	21.107	ug/l #	91
16) Acetone	3.867	43	36630	23.160	ug/l	88
17) Carbon Disulfide	4.104	76	82031	4.773	ug/l	97
18) Methyl Acetate	4.385	43	20420	4.758	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	82150	4.560	ug/l	98
20) Methylene Chloride	4.610	84	38537	5.343	ug/l	90
21) trans-1,2-Dichloroethene	5.110	96	34973	5.016	ug/l	94
22) Diisopropyl ether	6.019	45	109504	4.675	ug/l	95
23) Vinyl Acetate	5.952	43	290770	21.732	ug/l #	90
24) 1,1-Dichloroethane	5.909	63	63721	4.848	ug/l	99
25) 2-Butanone	6.890	43	48087	21.377	ug/l #	86
26) 2,2-Dichloropropane	6.878	77	58879	4.966	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	40754	4.812	ug/l	88
28) Bromochloromethane	7.244	49	26358	4.766	ug/l	86
29) Tetrahydrofuran	7.262	42	29069	21.254	ug/l	86
30) Chloroform	7.421	83	65189	4.858	ug/l	98
31) Cyclohexane	7.701	56	69472	5.847	ug/l #	73
32) 1,1,1-Trichloroethane	7.616	97	59176	4.920	ug/l	98
36) 1,1-Dichloropropene	7.835	75	46038	4.963	ug/l	100
37) Ethyl Acetate	6.982	43	19535	4.110	ug/l #	94
38) Carbon Tetrachloride	7.817	117	52877	5.055	ug/l	96
39) Methylcyclohexane	9.110	83	62951	5.100	ug/l	94
40) Benzene	8.079	78	140498	4.918	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	11891	4.310	ug/l	89
42) 1,2-Dichloroethane	8.158	62	35673	4.640	ug/l	98
43) Isopropyl Acetate	8.195	43	44050	4.412	ug/l	94
44) Trichloroethene	8.866	130	36233	4.931	ug/l	99
45) 1,2-Dichloropropane	9.140	63	34556	4.947	ug/l	99
46) Dibromomethane	9.231	93	16612	4.349	ug/l	96
47) Bromodichloromethane	9.427	83	49710	4.842	ug/l	99
48) Methyl methacrylate	9.225	41	20407	4.328	ug/l	88
49) 1,4-Dioxane	9.231	88	3834	85.266	ug/l #	68
51) 4-Methyl-2-Pentanone	10.000	43	108528	21.604	ug/l	91
52) Toluene	10.170	92	88727	4.829	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	43950	4.490	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	53386	4.684	ug/l #	90
55) 1,1,2-Trichloroethane	10.573	97	25089	4.756	ug/l	99
56) Ethyl methacrylate	10.439	69	33782	4.216	ug/l #	80
57) 1,3-Dichloropropane	10.719	76	41659	4.595	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	80939	21.764	ug/l	97
59) 2-Hexanone	10.762	43	78769	21.388	ug/l	87
60) Dibromochloromethane	10.914	129	31262	4.480	ug/l	98
61) 1,2-Dibromoethane	11.018	107	22597	4.598	ug/l	95
64) Tetrachloroethene	10.652	164	31535	5.093	ug/l	96
65) Chlorobenzene	11.444	112	96113	4.887	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	34333	5.042	ug/l	97
67) Ethyl Benzene	11.518	91	173855	4.975	ug/l	99
68) m/p-Xylenes	11.633	106	131225	9.931	ug/l	94
69) o-Xylene	11.957	106	64623	5.001	ug/l	96
70) Styrene	11.969	104	106118	4.864	ug/l	95
71) Bromoform	12.133	173	17331	4.456	ug/l #	98
73) Isopropylbenzene	12.255	105	170822	5.144	ug/l	100
74) N-amyl acetate	12.072	43	38548	4.268	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	26965	4.575	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	16550m	2.140	ug/l	
77) Bromobenzene	12.536	156	36405	4.943	ug/l	91
78) n-propylbenzene	12.597	91	203466	5.169	ug/l	100
79) 2-Chlorotoluene	12.682	91	117349	5.116	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	137538	5.095	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	10078	4.509	ug/l	92
82) 4-Chlorotoluene	12.780	91	117694	4.991	ug/l	98
83) tert-Butylbenzene	12.999	119	125450	5.133	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	136095	5.093	ug/l	96
85) sec-Butylbenzene	13.176	105	185653	5.229	ug/l	100
86) p-Isopropyltoluene	13.292	119	148678	5.118	ug/l	97
87) 1,3-Dichlorobenzene	13.292	146	71581	5.002	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	71127	5.008	ug/l	93
89) n-Butylbenzene	13.621	91	140833	5.072	ug/l	99
90) Hexachloroethane	13.883	117	30113	4.982	ug/l	96
91) 1,2-Dichlorobenzene	13.658	146	62568	4.899	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4554	4.636	ug/l	80
93) 1,2,4-Trichlorobenzene	14.919	180	37074	4.773	ug/l	98
94) Hexachlorobutadiene	15.023	225	21691	5.228	ug/l	99
95) Naphthalene	15.145	128	68231	4.387	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	30382	4.573	ug/l	97

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

