

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014511.D
 Acq On : 30 Jun 2023 12:56
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/03/2023
 Supervised By :Mahesh Dadoda 07/03/2023

Quant Time: Jun 30 18:46:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 15:18:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	370393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	561778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	519274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	271384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	18884	5.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.260%#		
35) Dibromofluoromethane	7.716	113	16730	4.836	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.680%#		
50) Toluene-d8	10.179	98	70963	5.189	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.380%#		
62) 4-Bromofluorobenzene	12.477	95	23695	4.990	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.980%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	16553	2.879	ug/l	98
3) Chloromethane	2.107	50	22497	5.244	ug/l	100
4) Vinyl Chloride	2.247	62	25363	5.130	ug/l	96
5) Bromomethane	2.637	94	22031	5.746	ug/l	98
6) Chloroethane	2.790	64	16330	5.129	ug/l	100
7) Trichlorofluoromethane	3.119	101	31246	5.203	ug/l	91
8) Diethyl Ether	3.528	74	11787	5.184	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	19426	5.417	ug/l	97
10) Methyl Iodide	4.082	142	16967	4.146	ug/l	94
11) Tert butyl alcohol	4.930	59	26661	24.334	ug/l #	96
12) 1,1-Dichloroethene	3.869	96	17322	4.986	ug/l	85
13) Acrolein	3.723	56	5853	11.005	ug/l	94
14) Allyl chloride	4.479	41	25651	4.899	ug/l	87
15) Acrylonitrile	5.155	53	30877	23.655	ug/l	98
16) Acetone	3.948	43	33377	29.007	ug/l #	77
17) Carbon Disulfide	4.192	76	48823	4.612	ug/l	99
18) Methyl Acetate	4.473	43	28848	5.507	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	47057	4.713	ug/l	98
20) Methylene Chloride	4.704	84	36134	3.926	ug/l #	85
21) trans-1,2-Dichloroethene	5.210	96	19099	4.857	ug/l	85
22) Diisopropyl ether	6.119	45	49187	4.559	ug/l	90
23) Vinyl Acetate	6.058	43	126659	20.290	ug/l	96
24) 1,1-Dichloroethane	6.009	63	34916	5.155	ug/l	96
25) 2-Butanone	6.978	43	40880	23.994	ug/l	94
26) 2,2-Dichloropropane	6.978	77	32110	5.562	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	21842	4.896	ug/l	95
28) Bromochloromethane	7.332	49	13464	4.734	ug/l	88
29) Tetrahydrofuran	7.350	42	23697	21.563	ug/l #	88
30) Chloroform	7.502	83	37326	5.283	ug/l	99
31) Cyclohexane	7.783	56	31250	5.406	ug/l #	73
32) 1,1,1-Trichloroethane	7.698	97	31610	5.234	ug/l	96
36) 1,1-Dichloropropene	7.911	75	26050	4.917	ug/l	98
37) Ethyl Acetate	7.082	43	15983	4.399	ug/l #	91
38) Carbon Tetrachloride	7.899	117	28406	5.136	ug/l	99
39) Methylcyclohexane	9.179	83	29318	4.630	ug/l	90
40) Benzene	8.161	78	80683	5.031	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	9142m	5.016	ug/l	
42) 1,2-Dichloroethane	8.228	62	23915	5.074	ug/l	96
43) Isopropyl Acetate	8.271	43	28718	4.664	ug/l #	93
44) Trichloroethene	8.935	130	22831	5.107	ug/l	95
45) 1,2-Dichloropropane	9.209	63	20935	5.089	ug/l	98
46) Dibromomethane	9.301	93	12373	4.940	ug/l	95
47) Bromodichloromethane	9.496	83	28054	5.084	ug/l	98
48) Methyl methacrylate	9.289	41	11753	4.198	ug/l #	80
49) 1,4-Dioxane	9.295	88	3590	80.272	ug/l #	36
51) 4-Methyl-2-Pentanone	10.069	43	80952	22.208	ug/l	93
52) Toluene	10.240	92	49344	4.890	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	28017	4.748	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	31649	4.807	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	18312	5.025	ug/l	97
56) Ethyl methacrylate	10.508	69	20857	4.207	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	29150	4.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	43459	18.096	ug/l	96
59) 2-Hexanone	10.831	43	55348	21.020	ug/l	90
60) Dibromochloromethane	10.984	129	20731	4.855	ug/l	96
61) 1,2-Dibromoethane	11.087	107	16928	4.758	ug/l	99
64) Tetrachloroethene	10.715	164	24571	5.293	ug/l	95
65) Chlorobenzene	11.514	112	56873	5.139	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	21064	5.008	ug/l	95
67) Ethyl Benzene	11.587	91	90757	4.809	ug/l	99
68) m/p-Xylenes	11.697	106	71127	9.502	ug/l	92
69) o-Xylene	12.026	106	33066	4.657	ug/l	92
70) Styrene	12.038	104	55622	4.554	ug/l	95
71) Bromoform	12.203	173	15309	4.791	ug/l #	98
73) Isopropylbenzene	12.325	105	84447	4.751	ug/l	100
74) N-amyl acetate	12.142	43	23360	4.355	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	22870	5.014	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	16248m	5.075	ug/l	
77) Bromobenzene	12.605	156	23803	4.903	ug/l	96
78) n-propylbenzene	12.666	91	104359	4.813	ug/l	99
79) 2-Chlorotoluene	12.752	91	60922	4.883	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	70584	4.691	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.374	75	7713	4.714	ug/l #	83
82) 4-Chlorotoluene	12.849	91	63630	4.868	ug/l	97
83) tert-Butylbenzene	13.075	119	62179	4.702	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	69190	4.608	ug/l	95
85) sec-Butylbenzene	13.251	105	94351	4.835	ug/l	100
86) p-Isopropyltoluene	13.367	119	77084	4.694	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	48355	5.094	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	49906	5.246	ug/l	98
89) n-Butylbenzene	13.690	91	74026	4.878	ug/l	98
90) Hexachloroethane	13.959	117	17160	5.275	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	43213	5.026	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4228	5.063	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	26463	4.765	ug/l	98
94) Hexachlorobutadiene	15.111	225	17618	5.162	ug/l	98
95) Naphthalene	15.233	128	49482	4.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	23676	4.679	ug/l	98

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

