

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013956.D
 Acq On : 01 Jun 2023 11:05
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/02/2023
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 06:45:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 06:43:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	233564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	382961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	358419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	16453	5.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.640%#		
35) Dibromofluoromethane	7.716	113	11960	4.914	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.820%#		
50) Toluene-d8	10.179	98	46497	5.009	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.020%#		
62) 4-Bromofluorobenzene	12.483	95	16077	5.080	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	11045	5.374	ug/l	91
3) Chloromethane	2.113	50	15492	5.443	ug/l	97
4) Vinyl Chloride	2.247	62	14370	5.450	ug/l	99
5) Bromomethane	2.656	94	12902	5.619	ug/l	94
6) Chloroethane	2.796	64	9625	5.100	ug/l	98
7) Trichlorofluoromethane	3.125	101	22604	5.423	ug/l	96
8) Diethyl Ether	3.528	74	8897	5.444	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	11171	5.217	ug/l	99
10) Methyl Iodide	4.088	142	12943	4.386	ug/l	98
11) Tert butyl alcohol	4.930	59	33931	53.398	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	11650	5.189	ug/l	97
13) Acrolein	3.735	56	8269	28.417	ug/l	93
14) Allyl chloride	4.479	41	21324	4.894	ug/l	99
15) Acrylonitrile	5.161	53	23876	26.329	ug/l	99
16) Acetone	3.954	43	26836	25.369	ug/l	94
17) Carbon Disulfide	4.198	76	39465	5.198	ug/l #	92
18) Methyl Acetate	4.485	43	20020	5.238	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	35445	4.880	ug/l	92
20) Methylene Chloride	4.722	84	22881	4.350	ug/l #	93
21) trans-1,2-Dichloroethene	5.216	96	12869	5.060	ug/l	95
22) Diisopropyl ether	6.125	45	39957	4.731	ug/l #	95
23) Vinyl Acetate	6.064	43	123663	23.344	ug/l	97
24) 1,1-Dichloroethane	6.015	63	24372	5.170	ug/l #	96
25) 2-Butanone	6.990	43	34422	26.120	ug/l	90
26) 2,2-Dichloropropane	6.978	77	24331	5.687	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	15175	5.212	ug/l	94
28) Bromochloromethane	7.338	49	10538	4.733	ug/l #	14
29) Tetrahydrofuran	7.350	42	19962	24.359	ug/l	98
30) Chloroform	7.509	83	25558	5.164	ug/l	95
31) Cyclohexane	7.783	56	22067	5.927	ug/l #	81
32) 1,1,1-Trichloroethane	7.698	97	21456	5.110	ug/l	97
36) 1,1-Dichloropropene	7.923	75	16834	4.855	ug/l	96
37) Ethyl Acetate	7.076	43	16130	5.336	ug/l	97
38) Carbon Tetrachloride	7.905	117	19791	5.094	ug/l	92
39) Methylcyclohexane	9.185	83	17254	4.661	ug/l	95
40) Benzene	8.161	78	53838	5.033	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	7116	5.093	ug/l #	66
42) 1,2-Dichloroethane	8.234	62	20701	5.278	ug/l	100
43) Isopropyl Acetate	8.271	43	24859	4.884	ug/l	99
44) Trichloroethene	8.941	130	14259	5.091	ug/l	96
45) 1,2-Dichloropropane	9.222	63	13758	4.984	ug/l	97
46) Dibromomethane	9.307	93	9044	5.118	ug/l	97
47) Bromodichloromethane	9.496	83	20221	5.080	ug/l	95
48) Methyl methacrylate	9.295	41	10293	4.443	ug/l	93
49) 1,4-Dioxane	9.313	88	2558	99.539	ug/l #	69
51) 4-Methyl-2-Pentanone	10.069	43	69687	24.238	ug/l	98
52) Toluene	10.246	92	31587	4.821	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	20559	4.808	ug/l	92
54) cis-1,3-Dichloropropene	9.929	75	21924	4.802	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	11844	5.084	ug/l	92
56) Ethyl methacrylate	10.508	69	14719	4.400	ug/l	96
57) 1,3-Dichloropropane	10.788	76	19774	4.967	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	29011	39.104	ug/l	96
59) 2-Hexanone	10.831	43	47049	22.599	ug/l	100
60) Dibromochloromethane	10.984	129	15255	5.181	ug/l	99
61) 1,2-Dibromoethane	11.087	107	12057	5.151	ug/l	98
64) Tetrachloroethene	10.721	164	12362	5.035	ug/l	91
65) Chlorobenzene	11.514	112	38202	5.195	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	14260	4.982	ug/l	97
67) Ethyl Benzene	11.593	91	59316	4.660	ug/l	98
68) m/p-Xylenes	11.703	106	45075	9.271	ug/l	96
69) o-Xylene	12.026	106	21408	4.595	ug/l	94
70) Styrene	12.044	104	36488	4.560	ug/l	98
71) Bromoform	12.209	173	10397	4.927	ug/l #	97
73) Isopropylbenzene	12.331	105	52901	4.558	ug/l	98
74) N-amyl acetate	12.142	43	19687	4.421	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	15316	5.049	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	12045m	5.080	ug/l	
77) Bromobenzene	12.611	156	15165	4.834	ug/l	97
78) n-propylbenzene	12.672	91	62931	4.424	ug/l	100
79) 2-Chlorotoluene	12.758	91	39581	4.700	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	45057	4.530	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	5297	4.749	ug/l	98
82) 4-Chlorotoluene	12.855	91	41468	4.682	ug/l	99
83) tert-Butylbenzene	13.075	119	37119	4.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	43752	4.404	ug/l	99
85) sec-Butylbenzene	13.251	105	55663	4.595	ug/l	100
86) p-Isopropyltoluene	13.367	119	45558	4.456	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	29475	4.947	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	31088	5.158	ug/l	96
89) n-Butylbenzene	13.696	91	43682	4.528	ug/l	99
90) Hexachloroethane	13.959	117	10685	4.979	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	26881	4.897	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2787	4.764	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	15609	4.626	ug/l	97
94) Hexachlorobutadiene	15.111	225	8859	4.929	ug/l	97
95) Naphthalene	15.233	128	30663	7.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	13931	4.533	ug/l	99

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

