

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011211.D
 Acq On : 01 Nov 2022 10:04
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/02/2022
 Supervised By :Mahesh Dadoda 11/02/2022

Quant Time: Nov 01 11:01:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	231024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	351650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	26327	12.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	24.740%#		
35) Dibromofluoromethane	7.710	113	24447	9.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.640%#		
50) Toluene-d8	10.179	98	96401	12.163	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	24.320%#		
62) 4-Bromofluorobenzene	12.477	95	32426	9.033	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.060%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25547	16.671	ug/l	99
3) Chloromethane	2.107	50	27612	12.559	ug/l	94
4) Vinyl Chloride	2.247	62	30542	12.257	ug/l	99
5) Bromomethane	2.650	94	20442	11.861	ug/l	94
6) Chloroethane	2.790	64	19094	11.467	ug/l	98
7) Trichlorofluoromethane	3.119	101	43692	11.980	ug/l	99
8) Diethyl Ether	3.527	74	15140	11.124	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	25360	11.085	ug/l	95
10) Methyl Iodide	4.082	142	31467	11.241	ug/l	92
11) Tert butyl alcohol	4.954	59	15265	46.014	ug/l	98
12) 1,1-Dichloroethene	3.869	96	25133	11.468	ug/l	85
13) Acrolein	3.729	56	9002	26.240	ug/l	99
14) Allyl chloride	4.472	41	37040	10.658	ug/l #	85
15) Acrylonitrile	5.161	53	36661	51.675	ug/l	96
16) Acetone	3.948	43	32245	52.178	ug/l #	85
17) Carbon Disulfide	4.186	76	83604	13.013	ug/l	99
18) Methyl Acetate	4.479	43	19992	9.200	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	63765	10.414	ug/l	94
20) Methylene Chloride	4.710	84	40179	9.845	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	28234	11.412	ug/l	90
22) Diisopropyl ether	6.112	45	78218	10.509	ug/l #	94
23) Vinyl Acetate	6.058	43	228743	51.393	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	49041	10.913	ug/l	98
25) 2-Butanone	6.984	43	49239	52.539	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	45746	11.463	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	30954	10.856	ug/l	92
28) Bromochloromethane	7.332	49	18260	14.180	ug/l #	87
29) Tetrahydrofuran	7.344	42	28588	49.580	ug/l #	84
30) Chloroform	7.502	83	49994	11.036	ug/l	99
31) Cyclohexane	7.783	56	45489	11.170	ug/l #	81
32) 1,1,1-Trichloroethane	7.697	97	44727	11.232	ug/l	96
36) 1,1-Dichloropropene	7.911	75	38411	10.870	ug/l	98
37) Ethyl Acetate	7.070	43	21401	10.939	ug/l #	93
38) Carbon Tetrachloride	7.899	117	40509	11.106	ug/l	99
39) Methylcyclohexane	9.179	83	45272	10.697	ug/l	93
40) Benzene	8.155	78	116934	11.278	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10212m	9.633	ug/l	
42) 1,2-Dichloroethane	8.234	62	31758	11.055	ug/l	91
43) Isopropyl Acetate	8.271	43	36626	10.478	ug/l #	89
44) Trichloroethene	8.935	130	31032	11.045	ug/l	99
45) 1,2-Dichloropropane	9.209	63	28823	10.957	ug/l	97
46) Dibromomethane	9.301	93	16134	10.997	ug/l	96
47) Bromodichloromethane	9.496	83	37995	10.746	ug/l	98
48) Methyl methacrylate	9.289	41	16182	10.344	ug/l #	78
49) 1,4-Dioxane	9.313	88	3884	184.248	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	99283	50.932	ug/l	90
52) Toluene	10.240	92	71085	11.036	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	39148	10.658	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	45429	10.808	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	23556	11.129	ug/l	98
56) Ethyl methacrylate	10.508	69	28320	10.074	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	39111	10.747	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	67987	62.524	ug/l	97
59) 2-Hexanone	10.831	43	67041	50.067	ug/l	86
60) Dibromochloromethane	10.983	129	27610	10.970	ug/l	98
61) 1,2-Dibromoethane	11.087	107	22117	10.912	ug/l	100
64) Tetrachloroethene	10.715	164	29170	10.656	ug/l	96
65) Chlorobenzene	11.514	112	75183	10.414	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	28587	10.698	ug/l	98
67) Ethyl Benzene	11.587	91	131037	10.259	ug/l	99
68) m/p-Xylenes	11.697	106	102148	20.790	ug/l	95
69) o-Xylene	12.026	106	46707	10.011	ug/l	96
70) Styrene	12.038	104	79092	10.005	ug/l	95
71) Bromoform	12.203	173	17500	10.611	ug/l #	98
73) Isopropylbenzene	12.325	105	124038	9.628	ug/l	98
74) N-amyl acetate	12.142	43	30165	9.229	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	27119	10.030	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	23286m	11.567	ug/l	
77) Bromobenzene	12.605	156	29740	9.876	ug/l	99
78) n-propylbenzene	12.666	91	152136	9.706	ug/l	99
79) 2-Chlorotoluene	12.751	91	88765	10.056	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	105190	9.786	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	9527	10.178	ug/l #	81
82) 4-Chlorotoluene	12.849	91	92385	10.052	ug/l	100
83) tert-Butylbenzene	13.068	119	88886	9.563	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	103920	9.804	ug/l	99
85) sec-Butylbenzene	13.251	105	134245	9.611	ug/l	99
86) p-Isopropyltoluene	13.367	119	110022	9.495	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	60177	10.013	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	61317	10.261	ug/l	97
89) n-Butylbenzene	13.690	91	102200	9.439	ug/l	100
90) Hexachloroethane	13.959	117	23012	10.063	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	54248	10.089	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	4548	10.174	ug/l	83
93) 1,2,4-Trichlorobenzene	15.001	180	30571	9.513	ug/l	98
94) Hexachlorobutadiene	15.105	225	18397	9.726	ug/l	98
95) Naphthalene	15.233	128	59085	9.028	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	26756	9.543	ug/l	98

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

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