

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120722\
 Data File : VY011722.D
 Acq On : 07 Dec 2022 09:36
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/08/2022
 Supervised By :Mahesh Dadoda 12/08/2022

Quant Time: Dec 08 07:54:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	190163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	288528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	259132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92551	47.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.860%		
35) Dibromofluoromethane	7.716	113	92865	52.284	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.560%		
50) Toluene-d8	10.179	98	311336	48.236	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.480%		
62) 4-Bromofluorobenzene	12.483	95	121881	51.073	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	56254	55.849	ug/l	98
3) Chloromethane	2.113	50	72227	44.155	ug/l	98
4) Vinyl Chloride	2.253	62	85719	39.853	ug/l	97
5) Bromomethane	2.649	94	58624	42.061	ug/l	100
6) Chloroethane	2.790	64	60339	40.208	ug/l	98
7) Trichlorofluoromethane	3.125	101	163008	51.667	ug/l	95
8) Diethyl Ether	3.527	74	54591	53.538	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	97572	53.483	ug/l	96
10) Methyl Iodide	4.088	142	112754	53.048	ug/l	95
11) Tert butyl alcohol	4.948	59	52722	252.346	ug/l	97
12) 1,1-Dichloroethene	3.869	96	87166	52.160	ug/l	88
13) Acrolein	3.728	56	8607	169.052	ug/l	95
14) Allyl chloride	4.472	41	146299	49.869	ug/l #	92
15) Acrylonitrile	5.155	53	150839	270.837	ug/l	98
16) Acetone	3.942	43	174062	277.525	ug/l	91
17) Carbon Disulfide	4.192	76	212298	45.837	ug/l	98
18) Methyl Acetate	4.472	43	70536	48.576	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	271439	56.913	ug/l	97
20) Methylene Chloride	4.710	84	110780	46.403	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	100804	52.199	ug/l	93
22) Diisopropyl ether	6.112	45	331699	51.799	ug/l	96
23) Vinyl Acetate	6.057	43	996325	267.099	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	194500	51.731	ug/l	99
25) 2-Butanone	6.978	43	209978	254.744	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	186786	53.827	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	119731	52.664	ug/l	93
28) Bromochloromethane	7.325	49	70502	46.676	ug/l	85
29) Tetrahydrofuran	7.344	42	118510	254.589	ug/l	89
30) Chloroform	7.502	83	210801	54.064	ug/l	100
31) Cyclohexane	7.783	56	152863	47.762	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	188666	54.090	ug/l	96
36) 1,1-Dichloropropene	7.917	75	146329	52.705	ug/l	98
37) Ethyl Acetate	7.069	43	81008	51.240	ug/l	95
38) Carbon Tetrachloride	7.898	117	173239	55.772	ug/l	99
39) Methylcyclohexane	9.179	83	166202	53.642	ug/l	95
40) Benzene	8.161	78	427522	52.862	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	47586	59.531	ug/l #	41
42) 1,2-Dichloroethane	8.234	62	132170	52.843	ug/l	94
43) Isopropyl Acetate	8.270	43	146042	51.206	ug/l #	91
44) Trichloroethene	8.935	130	118581	54.495	ug/l	96
45) 1,2-Dichloropropane	9.215	63	109581	53.009	ug/l	96
46) Dibromomethane	9.307	93	60886	52.676	ug/l	98
47) Bromodichloromethane	9.496	83	159482	54.777	ug/l	99
48) Methyl methacrylate	9.288	41	66002	52.101	ug/l #	86
49) 1,4-Dioxane	9.295	88	16694	1166.251	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	419120	264.356	ug/l	92
52) Toluene	10.246	92	274384	53.651	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	158535	54.474	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	177340	54.166	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	89865	54.344	ug/l	97
56) Ethyl methacrylate	10.508	69	117162	56.968	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	152014	54.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	255411	253.574	ug/l	95
59) 2-Hexanone	10.831	43	309000	273.074	ug/l	90
60) Dibromochloromethane	10.983	129	112984	55.752	ug/l	100
61) 1,2-Dibromoethane	11.087	107	80944	53.626	ug/l	100
64) Tetrachloroethene	10.721	164	119850	56.125	ug/l	96
65) Chlorobenzene	11.514	112	299845	55.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	119052	57.887	ug/l	98
67) Ethyl Benzene	11.593	91	544427	55.567	ug/l	98
68) m/p-Xylenes	11.703	106	420568	112.764	ug/l	97
69) o-Xylene	12.026	106	199449	57.438	ug/l	96
70) Styrene	12.044	104	343600	57.969	ug/l	97
71) Bromoform	12.209	173	70572	56.404	ug/l #	100
73) Isopropylbenzene	12.331	105	549007	57.311	ug/l	99
74) N-amyl acetate	12.142	43	126914	53.649	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	99851	52.896	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	78544m	55.062	ug/l	
77) Bromobenzene	12.611	156	123934	55.406	ug/l	96
78) n-propylbenzene	12.672	91	659896	56.464	ug/l	99
79) 2-Chlorotoluene	12.757	91	366673	55.665	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	464723	57.550	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	36150	55.508	ug/l	90
82) 4-Chlorotoluene	12.855	91	383317	55.652	ug/l	100
83) tert-Butylbenzene	13.074	119	407308	57.909	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	457064	57.309	ug/l	99
85) sec-Butylbenzene	13.251	105	604521	57.603	ug/l	100
86) p-Isopropyltoluene	13.367	119	506708	57.853	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	249452	54.783	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	246953	54.238	ug/l	99
89) n-Butylbenzene	13.696	91	463475	57.565	ug/l	99
90) Hexachloroethane	13.958	117	96860	54.765	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	223142	55.284	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17007	54.937	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	133084	59.444	ug/l	99
94) Hexachlorobutadiene	15.111	225	84646	60.824	ug/l	98
95) Naphthalene	15.233	128	258884	54.745	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	114503	59.679	ug/l	98

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

