

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032223\
 Data File : VY013053.D
 Acq On : 22 Mar 2023 16:41
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/23/2023
 Supervised By :Mahesh Dadoda 03/23/2023

Quant Time: Mar 23 05:24:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	105566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	164627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	151937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	80801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	51746	49.370	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.740%		
35) Dibromofluoromethane	7.710	113	50437	50.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.540%		
50) Toluene-d8	10.173	98	160948	44.312	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.620%		
62) 4-Bromofluorobenzene	12.477	95	63408	51.722	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	54052	51.948	ug/l	99
3) Chloromethane	2.113	50	51933	41.749	ug/l	99
4) Vinyl Chloride	2.247	62	53037	46.496	ug/l	97
5) Bromomethane	2.644	94	36169	52.184	ug/l	98
6) Chloroethane	2.784	64	34908	51.099	ug/l	98
7) Trichlorofluoromethane	3.119	101	85876	45.329	ug/l	96
8) Diethyl Ether	3.522	74	37133	55.931	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	60657	53.217	ug/l	99
10) Methyl Iodide	4.082	142	78073	52.569	ug/l	98
11) Tert butyl alcohol	4.942	59	35576	299.102	ug/l	100
12) 1,1-Dichloroethene	3.869	96	56909	52.350	ug/l	99
13) Acrolein	3.723	56	36910	201.000	ug/l	99
14) Allyl chloride	4.473	41	106401	52.987	ug/l	100
15) Acrylonitrile	5.155	53	103684	296.399	ug/l	100
16) Acetone	3.942	43	121521	295.384	ug/l	98
17) Carbon Disulfide	4.186	76	183906	49.701	ug/l	99
18) Methyl Acetate	4.466	43	72236	58.962	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	165998	59.118	ug/l	98
20) Methylene Chloride	4.710	84	71415	57.715	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	64349	54.471	ug/l	95
22) Diisopropyl ether	6.113	45	220159	60.363	ug/l	98
23) Vinyl Acetate	6.052	43	694498	306.461	ug/l	99
24) 1,1-Dichloroethane	6.009	63	115513	55.580	ug/l	100
25) 2-Butanone	6.978	43	158961	311.961	ug/l	97
26) 2,2-Dichloropropane	6.972	77	98792	53.520	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	72076	56.907	ug/l	99
28) Bromochloromethane	7.326	49	40614	53.474	ug/l	96
29) Tetrahydrofuran	7.338	42	98376	320.107	ug/l	99
30) Chloroform	7.503	83	117410	57.193	ug/l	100
31) Cyclohexane	7.783	56	100664	50.147	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	100962	54.384	ug/l	99
36) 1,1-Dichloropropene	7.911	75	89303	53.638	ug/l	99
37) Ethyl Acetate	7.064	43	62602	59.656	ug/l	99
38) Carbon Tetrachloride	7.893	117	91927	53.468	ug/l	99
39) Methylcyclohexane	9.179	83	103192	52.133	ug/l	98
40) Benzene	8.155	78	261201	55.461	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	32359m	57.235	ug/l	
42) 1,2-Dichloroethane	8.228	62	81774	57.753	ug/l	100
43) Isopropyl Acetate	8.271	43	113040	60.378	ug/l	100
44) Trichloroethene	8.935	130	67144	54.074	ug/l	97
45) 1,2-Dichloropropane	9.210	63	68620	57.652	ug/l	94
46) Dibromomethane	9.301	93	40121	59.168	ug/l	99
47) Bromodichloromethane	9.490	83	91255	57.108	ug/l	99
48) Methyl methacrylate	9.289	41	54216	62.847	ug/l	99
49) 1,4-Dioxane	9.289	88	11517	1313.836	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	324918	319.940	ug/l	100
52) Toluene	10.240	92	161219	56.761	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	97782	58.340	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	109176	57.549	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	54736	57.962	ug/l	99
56) Ethyl methacrylate	10.508	69	77918	61.881	ug/l	99
57) 1,3-Dichloropropane	10.789	76	94750	58.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	191486	289.687	ug/l	99
59) 2-Hexanone	10.831	43	237450	321.709	ug/l	100
60) Dibromochloromethane	10.984	129	66184	57.575	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52884	58.135	ug/l	100
64) Tetrachloroethene	10.715	164	58942	53.283	ug/l	97
65) Chlorobenzene	11.514	112	171218	53.694	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	65158	55.221	ug/l	99
67) Ethyl Benzene	11.587	91	304674	54.344	ug/l	98
68) m/p-Xylenes	11.697	106	236772	109.782	ug/l	99
69) o-Xylene	12.026	106	111405	55.346	ug/l	99
70) Styrene	12.044	104	191004	56.863	ug/l	99
71) Bromoform	12.203	173	44330	57.621	ug/l #	98
73) Isopropylbenzene	12.325	105	291847	50.965	ug/l	100
74) N-amyl acetate	12.142	43	102337	56.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	69707	54.151	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	48768m	50.542	ug/l	
77) Bromobenzene	12.605	156	71974	51.738	ug/l	99
78) n-propylbenzene	12.666	91	363848	51.536	ug/l	99
79) 2-Chlorotoluene	12.752	91	205222	52.301	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	245686	51.988	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	24890	53.449	ug/l	97
82) 4-Chlorotoluene	12.849	91	212659	52.356	ug/l	98
83) tert-Butylbenzene	13.075	119	214054	52.478	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	245653	53.159	ug/l	99
85) sec-Butylbenzene	13.251	105	318142	51.126	ug/l	99
86) p-Isopropyltoluene	13.367	119	263743	51.859	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	139977	52.171	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	140213	51.204	ug/l	99
89) n-Butylbenzene	13.690	91	250545	51.461	ug/l	100
90) Hexachloroethane	13.959	117	53597	50.599	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	128256	52.881	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11757	56.513	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	76673	51.344	ug/l	98
94) Hexachlorobutadiene	15.111	225	44135	48.457	ug/l	99
95) Naphthalene	15.233	128	169598	56.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	69082	52.015	ug/l	99

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

