

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013002.D
 Acq On : 20 Mar 2023 11:00
 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 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:10:23 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	7.789	168	116880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	176757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	156000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	48824	42.073	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.140%		
35) Dibromofluoromethane	7.722	113	51185	47.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.960%		
50) Toluene-d8	10.179	98	170597	43.746	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.500%		
62) 4-Bromofluorobenzene	12.483	95	62633	47.584	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	61411	53.307	ug/l	99
3) Chloromethane	2.119	50	65133	47.292	ug/l	99
4) Vinyl Chloride	2.259	62	56572	44.794	ug/l	98
5) Bromomethane	2.656	94	36344	47.360	ug/l	98
6) Chloroethane	2.796	64	35510	46.949	ug/l	99
7) Trichlorofluoromethane	3.131	101	85222	40.629	ug/l	96
8) Diethyl Ether	3.533	74	34501	46.936	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	64757	51.314	ug/l	99
10) Methyl Iodide	4.094	142	85321	51.888	ug/l	98
11) Tert butyl alcohol	4.954	59	25362	184.781	ug/l	99
12) 1,1-Dichloroethene	3.875	96	62333	51.789	ug/l	98
13) Acrolein	3.729	56	37289	183.407	ug/l	99
14) Allyl chloride	4.484	41	114072	51.308	ug/l	99
15) Acrylonitrile	5.167	53	86838	224.212	ug/l	100
16) Acetone	3.948	43	116647	256.090	ug/l	99
17) Carbon Disulfide	4.198	76	211981	51.742	ug/l	99
18) Methyl Acetate	4.478	43	59085	43.559	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	150746	48.489	ug/l	98
20) Methylene Chloride	4.722	84	70098	50.484	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	68130	52.089	ug/l	99
22) Diisopropyl ether	6.118	45	206996	51.260	ug/l	98
23) Vinyl Acetate	6.057	43	621280	247.614	ug/l	99
24) 1,1-Dichloroethane	6.021	63	117863	51.221	ug/l	99
25) 2-Butanone	6.984	43	132513	234.883	ug/l	98
26) 2,2-Dichloropropane	6.984	77	103808	50.794	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	73076	52.112	ug/l	99
28) Bromochloromethane	7.338	49	39343	46.786	ug/l	100
29) Tetrahydrofuran	7.350	42	75081	220.658	ug/l	100
30) Chloroform	7.508	83	117690	51.780	ug/l	99
31) Cyclohexane	7.789	56	109500	49.269	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	107503	52.302	ug/l	99
36) 1,1-Dichloropropene	7.917	75	95274	53.297	ug/l	99
37) Ethyl Acetate	7.075	43	49876	44.268	ug/l	98
38) Carbon Tetrachloride	7.905	117	99517	53.910	ug/l	99
39) Methylcyclohexane	9.185	83	115234	54.222	ug/l	97
40) Benzene	8.161	78	267408	52.883	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25743m	42.408	ug/l	
42) 1,2-Dichloroethane	8.240	62	75852	49.894	ug/l	100
43) Isopropyl Acetate	8.277	43	93372	46.450	ug/l	99
44) Trichloroethene	8.941	130	70647	52.991	ug/l	92
45) 1,2-Dichloropropane	9.215	63	65722	51.428	ug/l	99
46) Dibromomethane	9.307	93	36602	50.274	ug/l	98
47) Bromodichloromethane	9.496	83	88431	51.543	ug/l	98
48) Methyl methacrylate	9.295	41	44657	48.214	ug/l	100
49) 1,4-Dioxane	9.301	88	8886	944.131	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	250764	229.977	ug/l	99
52) Toluene	10.246	92	164492	53.939	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	92357	51.322	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	104722	51.413	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	49145	48.470	ug/l	98
56) Ethyl methacrylate	10.514	69	66773	49.390	ug/l	99
57) 1,3-Dichloropropane	10.788	76	85835	49.703	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	163061	229.756	ug/l	99
59) 2-Hexanone	10.831	43	190179	239.981	ug/l	100
60) Dibromochloromethane	10.983	129	61948	50.192	ug/l	100
61) 1,2-Dibromoethane	11.093	107	48056	49.203	ug/l	99
64) Tetrachloroethene	10.721	164	60621	53.373	ug/l	97
65) Chlorobenzene	11.520	112	170892	52.196	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	63964	52.797	ug/l	99
67) Ethyl Benzene	11.593	91	311198	54.062	ug/l	99
68) m/p-Xylenes	11.703	106	243271	109.857	ug/l	99
69) o-Xylene	12.032	106	112293	54.335	ug/l	99
70) Styrene	12.044	104	188184	54.564	ug/l	99
71) Bromoform	12.209	173	39608	50.143	ug/l #	97
73) Isopropylbenzene	12.331	105	299797	53.355	ug/l	100
74) N-amyl acetate	12.148	43	81364	46.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	58812	46.562	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	40334m	42.601	ug/l	
77) Bromobenzene	12.611	156	69038	50.577	ug/l	96
78) n-propylbenzene	12.672	91	370923	53.543	ug/l	100
79) 2-Chlorotoluene	12.757	91	201884	52.435	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	247087	53.285	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	21494	47.040	ug/l	98
82) 4-Chlorotoluene	12.855	91	207770	52.131	ug/l	99
83) tert-Butylbenzene	13.074	119	221917	55.447	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	240348	53.006	ug/l	100
85) sec-Butylbenzene	13.257	105	324283	53.110	ug/l	100
86) p-Isopropyltoluene	13.373	119	266694	53.443	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	135543	51.485	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	134618	50.101	ug/l	99
89) n-Butylbenzene	13.696	91	253164	52.994	ug/l	99
90) Hexachloroethane	13.964	117	52594	50.602	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	120692	50.714	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8996	44.069	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	72796	49.681	ug/l	98
94) Hexachlorobutadiene	15.117	225	44848	50.182	ug/l	98
95) Naphthalene	15.239	128	141638	48.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	64391	49.411	ug/l	99

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

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