

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013359.D
 Acq On : 19 Apr 2023 20:35
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 06:58:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	274035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	405514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	370979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	160760	48.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.620%		
35) Dibromofluoromethane	7.710	113	149569	56.973	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	113.940%		
50) Toluene-d8	10.179	98	516897	52.897	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.800%		
62) 4-Bromofluorobenzene	12.477	95	173106	54.522	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	109.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	128555	52.124	ug/l	97
3) Chloromethane	2.107	50	140996	45.631	ug/l	97
4) Vinyl Chloride	2.247	62	139948	47.771	ug/l	99
5) Bromomethane	2.650	94	93349	41.553	ug/l	97
6) Chloroethane	2.790	64	85123	43.086	ug/l	98
7) Trichlorofluoromethane	3.125	101	240644	52.777	ug/l	99
8) Diethyl Ether	3.527	74	87409	52.764	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	138334	51.628	ug/l	95
10) Methyl Iodide	4.088	142	178072	54.181	ug/l	99
11) Tert butyl alcohol	4.966	59	94356	239.635	ug/l	97
12) 1,1-Dichloroethene	3.869	96	132233	51.280	ug/l	97
13) Acrolein	3.729	56	95330	235.639	ug/l	99
14) Allyl chloride	4.479	41	239693	48.660	ug/l	99
15) Acrylonitrile	5.155	53	267178	280.666	ug/l	99
16) Acetone	3.948	43	242442	214.111	ug/l	100
17) Carbon Disulfide	4.192	76	402917	47.461	ug/l	99
18) Methyl Acetate	4.472	43	202791	55.374	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	430814	55.773	ug/l	95
20) Methylene Chloride	4.710	84	176047	59.692	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	152569	51.830	ug/l	98
22) Diisopropyl ether	6.118	45	476273	49.061	ug/l	94
23) Vinyl Acetate	6.058	43	1584785	258.239	ug/l	100
24) 1,1-Dichloroethane	6.015	63	276394	50.970	ug/l	99
25) 2-Butanone	6.984	43	379244	261.580	ug/l	99
26) 2,2-Dichloropropane	6.978	77	237490	48.815	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	176301	55.080	ug/l	98
28) Bromochloromethane	7.332	49	104415	48.314	ug/l	96
29) Tetrahydrofuran	7.350	42	250730	284.740	ug/l	96
30) Chloroform	7.502	83	292245	53.256	ug/l	98
31) Cyclohexane	7.783	56	228203	45.828	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	255890	51.545	ug/l	100
36) 1,1-Dichloropropene	7.917	75	209490	52.674	ug/l	99
37) Ethyl Acetate	7.070	43	170242	53.103	ug/l	100
38) Carbon Tetrachloride	7.899	117	235785	53.616	ug/l	96
39) Methylcyclohexane	9.179	83	248777	53.807	ug/l	97
40) Benzene	8.155	78	624180	54.226	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	72317m	54.372	ug/l	
42) 1,2-Dichloroethane	8.234	62	210658	53.977	ug/l	98
43) Isopropyl Acetate	8.271	43	297825	55.930	ug/l	99
44) Trichloroethene	8.935	130	171242	57.750	ug/l	95
45) 1,2-Dichloropropane	9.215	63	166019	55.568	ug/l	100
46) Dibromomethane	9.301	93	104741	58.250	ug/l	98
47) Bromodichloromethane	9.490	83	230247	56.013	ug/l	99
48) Methyl methacrylate	9.289	41	138642	56.683	ug/l	97
49) 1,4-Dioxane	9.313	88	32188	1321.224	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	854891	294.995	ug/l	100
52) Toluene	10.240	92	379218	54.558	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	246184	57.188	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	268798	56.946	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	139883	59.000	ug/l	100
56) Ethyl methacrylate	10.508	69	203112	62.568	ug/l	98
57) 1,3-Dichloropropane	10.788	76	232146	57.571	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	371400	274.002	ug/l	99
59) 2-Hexanone	10.831	43	606738	287.940	ug/l	100
60) Dibromochloromethane	10.983	129	179116	60.252	ug/l	100
61) 1,2-Dibromoethane	11.087	107	143047	61.960	ug/l	100
64) Tetrachloroethene	10.715	164	152532	58.280	ug/l	96
65) Chlorobenzene	11.514	112	414448	53.405	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	164305	56.418	ug/l	99
67) Ethyl Benzene	11.593	91	724387	53.594	ug/l	99
68) m/p-Xylenes	11.703	106	558983	108.090	ug/l	99
69) o-Xylene	12.026	106	266376	55.616	ug/l	99
70) Styrene	12.044	104	449337	55.546	ug/l	99
71) Bromoform	12.203	173	120017	59.486	ug/l #	99
73) Isopropylbenzene	12.331	105	688366	55.386	ug/l	100
74) N-amyl acetate	12.142	43	236719	53.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	171198	55.760	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	121628m	53.871	ug/l	
77) Bromobenzene	12.605	156	177659	57.162	ug/l	95
78) n-propylbenzene	12.666	91	824900	53.741	ug/l	99
79) 2-Chlorotoluene	12.751	91	466025	53.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	579603	55.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	61275	56.328	ug/l	99
82) 4-Chlorotoluene	12.855	91	489445	53.733	ug/l	99
83) tert-Butylbenzene	13.075	119	509328	57.018	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	571895	56.446	ug/l	98
85) sec-Butylbenzene	13.251	105	733376	54.900	ug/l	100
86) p-Isopropyltoluene	13.367	119	612049	55.836	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	329873	55.060	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	329879	54.486	ug/l	98
89) n-Butylbenzene	13.696	91	565600	53.948	ug/l	98
90) Hexachloroethane	13.959	117	125382	54.858	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	303790	55.724	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	34268	61.461	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	196926	60.776	ug/l	98
94) Hexachlorobutadiene	15.111	225	114474	59.663	ug/l	100
95) Naphthalene	15.233	128	475782	59.250	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	184538	62.513	ug/l	99

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

