

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012637.D
 Acq On : 16 Feb 2023 17:14
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/17/2023
 Supervised By :Mahesh Dadoda 02/17/2023

Quant Time: Feb 16 22:00:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	120055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	174450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	164410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80609	52.801	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.716	113	70994	55.881	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.760%			
50) Toluene-d8	10.179	98	283841	53.677	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.360%			
62) 4-Bromofluorobenzene	12.477	95	100812	54.657	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34761	40.294	ug/l	97
3) Chloromethane	2.113	50	34865	37.273	ug/l	99
4) Vinyl Chloride	2.247	62	48247	41.400	ug/l	100
5) Bromomethane	2.644	94	40725	47.741	ug/l	95
6) Chloroethane	2.790	64	37123	45.765	ug/l	98
7) Trichlorofluoromethane	3.125	101	113264	47.285	ug/l	98
8) Diethyl Ether	3.528	74	35788	50.386	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	57307	47.377	ug/l	99
10) Methyl Iodide	4.088	142	71338	45.493	ug/l	97
11) Tert butyl alcohol	4.948	59	37258	252.871	ug/l	100
12) 1,1-Dichloroethene	3.875	96	55413	46.364	ug/l	92
13) Acrolein	3.729	56	41744	232.593	ug/l	100
14) Allyl chloride	4.479	41	65223	44.758	ug/l	96
15) Acrylonitrile	5.155	53	83799	255.727	ug/l	99
16) Acetone	3.942	43	87515	238.175	ug/l	99
17) Carbon Disulfide	4.192	76	119596	38.579	ug/l	98
18) Methyl Acetate	4.472	43	46189	52.299	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	185703	53.099	ug/l	98
20) Methylene Chloride	4.710	84	76854	56.540	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	61886	47.478	ug/l	96
22) Diisopropyl ether	6.112	45	149477	50.447	ug/l	95
23) Vinyl Acetate	6.058	43	446540	249.984	ug/l	97
24) 1,1-Dichloroethane	6.015	63	103781	48.994	ug/l	99
25) 2-Butanone	6.978	43	98961	242.743	ug/l	94
26) 2,2-Dichloropropane	6.978	77	115589	49.667	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	76725	50.723	ug/l	98
28) Bromochloromethane	7.332	49	41172	53.472	ug/l	97
29) Tetrahydrofuran	7.344	42	57222	259.630	ug/l	97
30) Chloroform	7.502	83	131226	51.383	ug/l	99
31) Cyclohexane	7.783	56	73671	41.738	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	127390	51.403	ug/l	99
36) 1,1-Dichloropropene	7.917	75	82427	47.938	ug/l	99
37) Ethyl Acetate	7.070	43	37861	48.799	ug/l	99
38) Carbon Tetrachloride	7.899	117	118780	51.462	ug/l	97
39) Methylcyclohexane	9.179	83	97412	47.082	ug/l	100
40) Benzene	8.155	78	255093	50.230	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19890m	46.793	ug/l	
42) 1,2-Dichloroethane	8.234	62	88096	53.520	ug/l	100
43) Isopropyl Acetate	8.271	43	74557	51.829	ug/l	98
44) Trichloroethene	8.935	130	79471	51.406	ug/l	97
45) 1,2-Dichloropropane	9.209	63	55616	50.505	ug/l	97
46) Dibromomethane	9.301	93	38638	52.991	ug/l	98
47) Bromodichloromethane	9.496	83	102119	54.015	ug/l	100
48) Methyl methacrylate	9.289	41	35086	53.360	ug/l	94
49) 1,4-Dioxane	9.295	88	11835	1175.789	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	211348	272.313	ug/l	100
52) Toluene	10.240	92	177920	51.662	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	102753	53.937	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	109632	53.178	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	59096	55.467	ug/l	97
56) Ethyl methacrylate	10.508	69	75178	56.163	ug/l	96
57) 1,3-Dichloropropane	10.788	76	91922	53.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	169799	282.220	ug/l	98
59) 2-Hexanone	10.831	43	155999	265.971	ug/l	100
60) Dibromochloromethane	10.984	129	81112	57.113	ug/l	100
61) 1,2-Dibromoethane	11.087	107	53599	53.692	ug/l	96
64) Tetrachloroethene	10.715	164	94259	54.915	ug/l	96
65) Chlorobenzene	11.514	112	201976	51.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	84340	55.192	ug/l	96
67) Ethyl Benzene	11.593	91	352789	51.533	ug/l	99
68) m/p-Xylenes	11.703	106	282337	103.321	ug/l	99
69) o-Xylene	12.026	106	138060	53.051	ug/l	99
70) Styrene	12.044	104	237424	53.795	ug/l	99
71) Bromoform	12.203	173	54944	56.884	ug/l #	100
73) Isopropylbenzene	12.325	105	374939	49.129	ug/l	99
74) N-amyl acetate	12.142	43	66449	48.099	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	61208	49.600	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	51211m	48.593	ug/l	
77) Bromobenzene	12.605	156	92840	50.190	ug/l	97
78) n-propylbenzene	12.666	91	427147	48.627	ug/l	100
79) 2-Chlorotoluene	12.751	91	243767	48.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	327513	49.851	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	22851	48.896	ug/l	98
82) 4-Chlorotoluene	12.855	91	254552	48.663	ug/l	100
83) tert-Butylbenzene	13.075	119	289234	50.204	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	323521	50.047	ug/l	99
85) sec-Butylbenzene	13.251	105	404927	49.130	ug/l	100
86) p-Isopropyltoluene	13.367	119	362144	50.649	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	185697	50.455	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	183444	49.759	ug/l	99
89) n-Butylbenzene	13.696	91	302342	49.476	ug/l	99
90) Hexachloroethane	13.959	117	62707	47.780	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	168330	50.841	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12647	51.500	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	109160	53.210	ug/l	99
94) Hexachlorobutadiene	15.111	225	63623	49.922	ug/l	99
95) Naphthalene	15.233	128	220264	55.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	95258	53.643	ug/l	99

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

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