

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012982.D
 Acq On : 16 Mar 2023 19:49
 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 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 01:40:20 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	41391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	63127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	59212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	31293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	20005	48.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.709	113	18809	49.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.740%		
50) Toluene-d8	10.178	98	61449	44.121	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.240%		
62) 4-Bromofluorobenzene	12.477	95	23169	49.286	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	17485	42.859	ug/l	99
3) Chloromethane	2.113	50	20584	42.204	ug/l	96
4) Vinyl Chloride	2.247	62	19656	43.949	ug/l	99
5) Bromomethane	2.649	94	14224	52.341	ug/l	98
6) Chloroethane	2.796	64	13147	49.084	ug/l	98
7) Trichlorofluoromethane	3.125	101	37229	50.119	ug/l	98
8) Diethyl Ether	3.527	74	14237	54.693	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	22416	50.158	ug/l	98
10) Methyl Iodide	4.088	142	23938	41.109	ug/l	98
11) Tert butyl alcohol	4.948	59	16600	360.117	ug/l	99
12) 1,1-Dichloroethene	3.875	96	20904	49.044	ug/l	96
13) Acrolein	3.728	56	16630	230.973	ug/l	98
14) Allyl chloride	4.478	41	39011	49.548	ug/l	98
15) Acrylonitrile	5.161	53	44936	327.625	ug/l	100
16) Acetone	3.942	43	46690	289.453	ug/l	98
17) Carbon Disulfide	4.192	76	60397	41.629	ug/l	98
18) Methyl Acetate	4.472	43	30902	64.331	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	64448	58.539	ug/l	99
20) Methylene Chloride	4.710	84	28904	59.771	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	23638	51.033	ug/l	99
22) Diisopropyl ether	6.118	45	81799	57.201	ug/l	99
23) Vinyl Acetate	6.057	43	266060	299.435	ug/l	100
24) 1,1-Dichloroethane	6.014	63	44234	54.283	ug/l	98
25) 2-Butanone	6.978	43	64606	323.371	ug/l	98
26) 2,2-Dichloropropane	6.978	77	37179	51.370	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	27173	54.718	ug/l	99
28) Bromochloromethane	7.331	49	16182	54.340	ug/l	99
29) Tetrahydrofuran	7.344	42	40506	336.158	ug/l	97
30) Chloroform	7.502	83	46897	58.264	ug/l	97
31) Cyclohexane	7.782	56	34849	44.277	ug/l	97
32) 1,1,1-Trichloroethane	7.697	97	39632	54.447	ug/l	99
36) 1,1-Dichloropropene	7.917	75	32799	51.375	ug/l	99
37) Ethyl Acetate	7.075	43	26945	66.963	ug/l	99
38) Carbon Tetrachloride	7.898	117	36695	55.660	ug/l	99
39) Methylcyclohexane	9.179	83	35827	47.203	ug/l	98
40) Benzene	8.154	78	97066	53.749	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10041m	46.315	ug/l	
42) 1,2-Dichloroethane	8.234	62	32243	59.385	ug/l	100
43) Isopropyl Acetate	8.270	43	45494	63.370	ug/l	100
44) Trichloroethene	8.935	130	25828	54.245	ug/l	92
45) 1,2-Dichloropropane	9.215	63	26008	56.985	ug/l	97
46) Dibromomethane	9.300	93	16232	62.427	ug/l	98
47) Bromodichloromethane	9.496	83	36677	59.858	ug/l	98
48) Methyl methacrylate	9.288	41	20215	61.110	ug/l	93
49) 1,4-Dioxane	9.288	88	5077	1510.410	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	133904	343.854	ug/l	100
52) Toluene	10.239	92	60330	55.393	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	37716	58.684	ug/l	97
54) cis-1,3-Dichloropropene	9.922	75	42315	58.169	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	22844	63.086	ug/l	97
56) Ethyl methacrylate	10.508	69	29767	61.651	ug/l	99
57) 1,3-Dichloropropane	10.788	76	38264	62.040	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	81436	321.288	ug/l	98
59) 2-Hexanone	10.831	43	97445	344.299	ug/l	99
60) Dibromochloromethane	10.983	129	27070	61.413	ug/l	100
61) 1,2-Dibromoethane	11.087	107	21497	61.628	ug/l	99
64) Tetrachloroethene	10.715	164	23213	53.845	ug/l	98
65) Chlorobenzene	11.514	112	65472	52.685	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	25715	55.921	ug/l	98
67) Ethyl Benzene	11.593	91	114150	52.245	ug/l	100
68) m/p-Xylenes	11.702	106	88958	105.837	ug/l	99
69) o-Xylene	12.026	106	41763	53.239	ug/l	100
70) Styrene	12.044	104	72700	55.536	ug/l	99
71) Bromoform	12.208	173	18563	61.914	ug/l #	97
73) Isopropylbenzene	12.330	105	112596	50.770	ug/l	99
74) N-amyl acetate	12.141	43	37613	53.903	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	29891	59.957	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	22136m	59.236	ug/l	
77) Bromobenzene	12.611	156	28096	52.149	ug/l	98
78) n-propylbenzene	12.672	91	140535	51.398	ug/l	100
79) 2-Chlorotoluene	12.757	91	77639	51.090	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	94876	51.838	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9960	55.226	ug/l	97
82) 4-Chlorotoluene	12.855	91	81227	51.636	ug/l	99
83) tert-Butylbenzene	13.074	119	82792	52.410	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	93545	52.269	ug/l	99
85) sec-Butylbenzene	13.251	105	125333	52.006	ug/l	100
86) p-Isopropyltoluene	13.367	119	101706	51.637	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	55937	53.832	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	55049	51.908	ug/l	99
89) n-Butylbenzene	13.696	91	95176	50.476	ug/l	98
90) Hexachloroethane	13.958	117	21343	52.027	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	50831	54.115	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.354	75	4878	60.543	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	27442	47.450	ug/l	99
94) Hexachlorobutadiene	15.110	225	17400	49.328	ug/l	98
95) Naphthalene	15.232	128	57560	49.666	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	24591	47.809	ug/l	98

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

