

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016376.D
 Acq On : 15 Nov 2023 19:02
 Operator : SY/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 :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 16 00:09:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	149681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	246204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	216914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	100993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	74291	54.305	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.734	113	76867	54.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.920%			
50) Toluene-d8	10.191	98	294472	51.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.840%			
62) 4-Bromofluorobenzene	12.495	95	97916	53.156	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	66425	45.322	ug/l	95
3) Chloromethane	2.125	50	78316	45.626	ug/l	99
4) Vinyl Chloride	2.259	62	83980	45.499	ug/l	97
5) Bromomethane	2.662	94	57677	47.550	ug/l	99
6) Chloroethane	2.808	64	56834	48.256	ug/l	97
7) Trichlorofluoromethane	3.137	101	136061	50.668	ug/l	99
8) Diethyl Ether	3.546	74	44035	54.867	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.918	101	79690	49.271	ug/l	95
10) Methyl Iodide	4.113	142	91100	52.153	ug/l	98
11) Tert butyl alcohol	4.978	59	27416	255.920	ug/l #	83
12) 1,1-Dichloroethene	3.893	96	74321	49.135	ug/l	85
13) Acrolein	3.747	56	26620	206.014	ug/l	100
14) Allyl chloride	4.503	41	107738	50.193	ug/l #	92
15) Acrylonitrile	5.186	53	87267	273.993	ug/l	98
16) Acetone	3.966	43	64650	285.697	ug/l	94
17) Carbon Disulfide	4.216	76	213270	46.731	ug/l	99
18) Methyl Acetate	4.497	43	71111	59.140	ug/l #	89
19) Methyl tert-butyl Ether	5.241	73	197630	53.984	ug/l	100
20) Methylene Chloride	4.741	84	89386	56.358	ug/l	87
21) trans-1,2-Dichloroethene	5.247	96	87089	50.006	ug/l	95
22) Diisopropyl ether	6.143	45	240086	51.901	ug/l	88
23) Vinyl Acetate	6.082	43	572689	255.500	ug/l #	92
24) 1,1-Dichloroethane	6.039	63	146364	51.288	ug/l	96
25) 2-Butanone	7.009	43	107297	270.709	ug/l	92
26) 2,2-Dichloropropane	7.002	77	131203	50.515	ug/l	98
27) cis-1,2-Dichloroethene	7.009	96	98583	52.526	ug/l	91
28) Bromochloromethane	7.356	49	57963	54.879	ug/l	86
29) Tetrahydrofuran	7.368	42	71142	271.557	ug/l #	87
30) Chloroform	7.527	83	156655	52.737	ug/l	96
31) Cyclohexane	7.807	56	121872	45.248	ug/l	89
32) 1,1,1-Trichloroethane	7.722	97	141344	51.909	ug/l	97
36) 1,1-Dichloropropene	7.935	75	117410	48.346	ug/l	98
37) Ethyl Acetate	7.094	43	49369	50.313	ug/l #	95
38) Carbon Tetrachloride	7.917	117	128723	51.071	ug/l	99
39) Methylcyclohexane	9.197	83	144769	47.840	ug/l	92
40) Benzene	8.179	78	344526	50.494	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	24524	49.568	ug/l	92
42) 1,2-Dichloroethane	8.252	62	93984	53.162	ug/l	93
43) Isopropyl Acetate	8.289	43	98441	51.900	ug/l #	91
44) Trichloroethene	8.959	130	99157	50.566	ug/l	95
45) 1,2-Dichloropropane	9.234	63	83904	51.204	ug/l	96
46) Dibromomethane	9.319	93	47484	53.475	ug/l	98
47) Bromodichloromethane	9.508	83	120342	52.715	ug/l	97
48) Methyl methacrylate	9.307	41	55348	52.800	ug/l	85
49) 1,4-Dioxane	9.313	88	10709	1135.980	ug/l #	60
51) 4-Methyl-2-Pentanone	10.081	43	255460	266.345	ug/l	89
52) Toluene	10.258	92	220542	51.134	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	116822	52.787	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	138957	52.570	ug/l #	87
55) 1,1,2-Trichloroethane	10.654	97	66862	54.631	ug/l	96
56) Ethyl methacrylate	10.520	69	62359	53.975	ug/l #	85
57) 1,3-Dichloropropane	10.801	76	111552	53.471	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	219101	279.685	ug/l	92
59) 2-Hexanone	10.843	43	179108	251.053	ug/l	86
60) Dibromochloromethane	10.996	129	85436	55.816	ug/l	99
61) 1,2-Dibromoethane	11.099	107	63282	54.272	ug/l	99
64) Tetrachloroethene	10.733	164	103115	52.943	ug/l	96
65) Chlorobenzene	11.526	112	234978	50.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	90959	53.213	ug/l	99
67) Ethyl Benzene	11.605	91	423084	50.798	ug/l	97
68) m/p-Xylenes	11.715	106	324334	102.668	ug/l	94
69) o-Xylene	12.038	106	152883	52.124	ug/l	97
70) Styrene	12.056	104	224255	53.396	ug/l	98
71) Bromoform	12.221	173	49170	55.437	ug/l #	99
73) Isopropylbenzene	12.343	105	409662	50.092	ug/l	100
74) N-amyl acetate	12.154	43	81595	49.671	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.593	83	67686	51.578	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	50306m	51.925	ug/l	
77) Bromobenzene	12.617	156	94707	51.238	ug/l	94
78) n-propylbenzene	12.684	91	477767	49.433	ug/l	98
79) 2-Chlorotoluene	12.770	91	269279	50.556	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	333388	50.562	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	23252	52.095	ug/l	91
82) 4-Chlorotoluene	12.867	91	277165	50.359	ug/l	98
83) tert-Butylbenzene	13.087	119	292051	50.286	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	328477	50.593	ug/l	98
85) sec-Butylbenzene	13.264	105	410773	49.507	ug/l	99
86) p-Isopropyltoluene	13.379	119	359936	50.379	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	181988	51.177	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	178817	51.454	ug/l	99
89) n-Butylbenzene	13.709	91	330067	50.025	ug/l	96
90) Hexachloroethane	13.971	117	69227	50.230	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	156308	51.296	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	10758	51.526	ug/l	88
93) 1,2,4-Trichlorobenzene	15.019	180	97991	55.093	ug/l	99
94) Hexachlorobutadiene	15.123	225	52861	51.875	ug/l	99
95) Naphthalene	15.245	128	182328	57.315	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	80086	54.438	ug/l	98

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

