

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090322\
 Data File : VY010316.D
 Acq On : 03 Sep 2022 13:01
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 04:14:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	318508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	483842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	430516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	212110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	154367	47.266	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.540%		
35) Dibromofluoromethane	7.716	113	150346	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.360%		
50) Toluene-d8	10.179	98	576923	53.498	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.000%		
62) 4-Bromofluorobenzene	12.477	95	203735	46.765	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	124535	48.979	ug/l	98
3) Chloromethane	2.113	50	185548	53.447	ug/l	96
4) Vinyl Chloride	2.247	62	218145	57.673	ug/l	99
5) Bromomethane	2.643	94	137773	66.720	ug/l	99
6) Chloroethane	2.790	64	136135	58.837	ug/l	98
7) Trichlorofluoromethane	3.119	101	283009	53.379	ug/l	95
8) Diethyl Ether	3.521	74	91567	48.333	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	171209	52.286	ug/l	96
10) Methyl Iodide	4.082	142	207209	52.599	ug/l	90
11) Tert butyl alcohol	4.948	59	97248	248.894	ug/l	99
12) 1,1-Dichloroethene	3.869	96	160393	50.586	ug/l	83
13) Acrolein	3.723	56	96396	233.055	ug/l	97
14) Allyl chloride	4.472	41	258798	46.374	ug/l #	94
15) Acrylonitrile	5.155	53	229245	232.226	ug/l	97
16) Acetone	3.942	43	242306	296.782	ug/l	91
17) Carbon Disulfide	4.186	76	459124	47.539	ug/l	99
18) Methyl Acetate	4.472	43	110603	43.652	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	441841	47.667	ug/l	97
20) Methylene Chloride	4.710	84	189829	48.180	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	180321	50.187	ug/l	91
22) Diisopropyl ether	6.112	45	549139	48.417	ug/l	94
23) Vinyl Acetate	6.051	43	1711232	240.634	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	320916	49.116	ug/l	98
25) 2-Butanone	6.978	43	334997	250.016	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	307349	51.646	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	208520	50.782	ug/l	91
28) Bromochloromethane	7.326	49	105974	46.433	ug/l	87
29) Tetrahydrofuran	7.338	42	194793	226.923	ug/l	90
30) Chloroform	7.502	83	327106	50.838	ug/l	99
31) Cyclohexane	7.777	56	299304	46.979	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	302982	51.679	ug/l	96
36) 1,1-Dichloropropene	7.911	75	259304	54.868	ug/l	98
37) Ethyl Acetate	7.069	43	135012	49.828	ug/l	96
38) Carbon Tetrachloride	7.893	117	279249	57.334	ug/l	97
39) Methylcyclohexane	9.179	83	329684	54.035	ug/l	92
40) Benzene	8.155	78	725142	53.576	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	81556m	53.389	ug/l	
42) 1,2-Dichloroethane	8.234	62	210569	53.657	ug/l	93
43) Isopropyl Acetate	8.270	43	255345	49.438	ug/l #	92
44) Trichloroethene	8.935	130	207921	55.958	ug/l	98
45) 1,2-Dichloropropane	9.215	63	181550	52.649	ug/l	96
46) Dibromomethane	9.301	93	101520	53.601	ug/l	98
47) Bromodichloromethane	9.496	83	251525	54.001	ug/l	99
48) Methyl methacrylate	9.289	41	121594	50.469	ug/l	90
49) 1,4-Dioxane	9.295	88	25976	996.739	ug/l	86
51) 4-Methyl-2-Pentanone	10.069	43	679467	254.985	ug/l	92
52) Toluene	10.240	92	471778	54.490	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	264505	52.651	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	297447	52.509	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	142791	53.109	ug/l	98
56) Ethyl methacrylate	10.508	69	198983	50.094	ug/l	85
57) 1,3-Dichloropropane	10.788	76	248006	52.922	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	237093	220.373	ug/l	96
59) 2-Hexanone	10.831	43	488952	264.611	ug/l	90
60) Dibromochloromethane	10.983	129	178042	54.955	ug/l	99
61) 1,2-Dibromoethane	11.087	107	138394	53.265	ug/l	100
64) Tetrachloroethene	10.715	164	201014	57.253	ug/l	97
65) Chlorobenzene	11.514	112	503587	54.893	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	187574	55.683	ug/l	98
67) Ethyl Benzene	11.593	91	921135	54.831	ug/l	98
68) m/p-Xylenes	11.703	106	712892	111.086	ug/l	94
69) o-Xylene	12.026	106	339805	54.536	ug/l	94
70) Styrene	12.044	104	572952	55.202	ug/l	96
71) Bromoform	12.209	173	114266	54.873	ug/l #	98
73) Isopropylbenzene	12.331	105	915067	54.073	ug/l	99
74) N-amyl acetate	12.142	43	232186	49.732	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	162423	49.942	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	125396m	49.678	ug/l	
77) Bromobenzene	12.605	156	205598	53.407	ug/l	96
78) n-propylbenzene	12.672	91	1098712	54.086	ug/l	98
79) 2-Chlorotoluene	12.757	91	607961	52.951	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	756524	53.358	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	59366	49.063	ug/l	89
82) 4-Chlorotoluene	12.855	91	626673	53.008	ug/l	98
83) tert-Butylbenzene	13.075	119	673289	54.659	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	752132	54.019	ug/l	99
85) sec-Butylbenzene	13.251	105	999060	54.844	ug/l	99
86) p-Isopropyltoluene	13.367	119	840453	55.855	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	410989	54.983	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	406573	54.707	ug/l	99
89) n-Butylbenzene	13.696	91	781982	54.975	ug/l	98
90) Hexachloroethane	13.959	117	156218	54.087	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	362040	54.343	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26734	46.650	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	222335	53.918	ug/l	99
94) Hexachlorobutadiene	15.111	225	135557	56.087	ug/l	99
95) Naphthalene	15.233	128	430808	50.350	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	186488	53.397	ug/l	98

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

